



Workshop Manual

Fox 2004 ➤

Fox 2010 ➤

General body repairs, exterior

Edition 06.2011





List of Workshop Manual Repair Groups

Repair Group

- 50 - Body - Front section
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Technical information should always be available to the foremen and mechanics, because their careful and constant adherence to the instructions is essential to ensure vehicle road-worthiness and safety. In addition, the normal basic safety precautions for working on motor vehicles must, as a matter of course, be observed.



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50 – Body - Front section

1 Body - front section

1.1 Front panel with complementary parts (Fox) - remove and install

Special tools and workshop equipment required

- ◆ Torque wrench - 5 to 50Nm (enc. 1/2") -VAG 1331-

V.A.G 1331



W00-0427



Note

- ◆ *The air conditioning condenser hoses must not be bent.*
- ◆ *The condenser cannot be suspended by the hoses.*



1 - Screw

- ☐ 2 parts
- ☐ Torque: 8 Nm

2 - Front panel with complementary parts

- ☐ Information for removal
- Remove door latch
- Remove front bumper and front bumper support.
- Remove radiator ⇒ Engine; Rep. gr. 19 ; Cooling system and condenser ⇒ Ventilation system; Rep. gr. 87 ; Air conditioning



Note

When installing, centralize front panel in longitudinal members and between headlight housings.

3 - Screw

- ☐ 2 parts
- ☐ Torque: 8 Nm

4 - Bumper support

5 - Screw

- ☐ 6 parts
- ☐ Torque: 35 Nm

6 - Screw

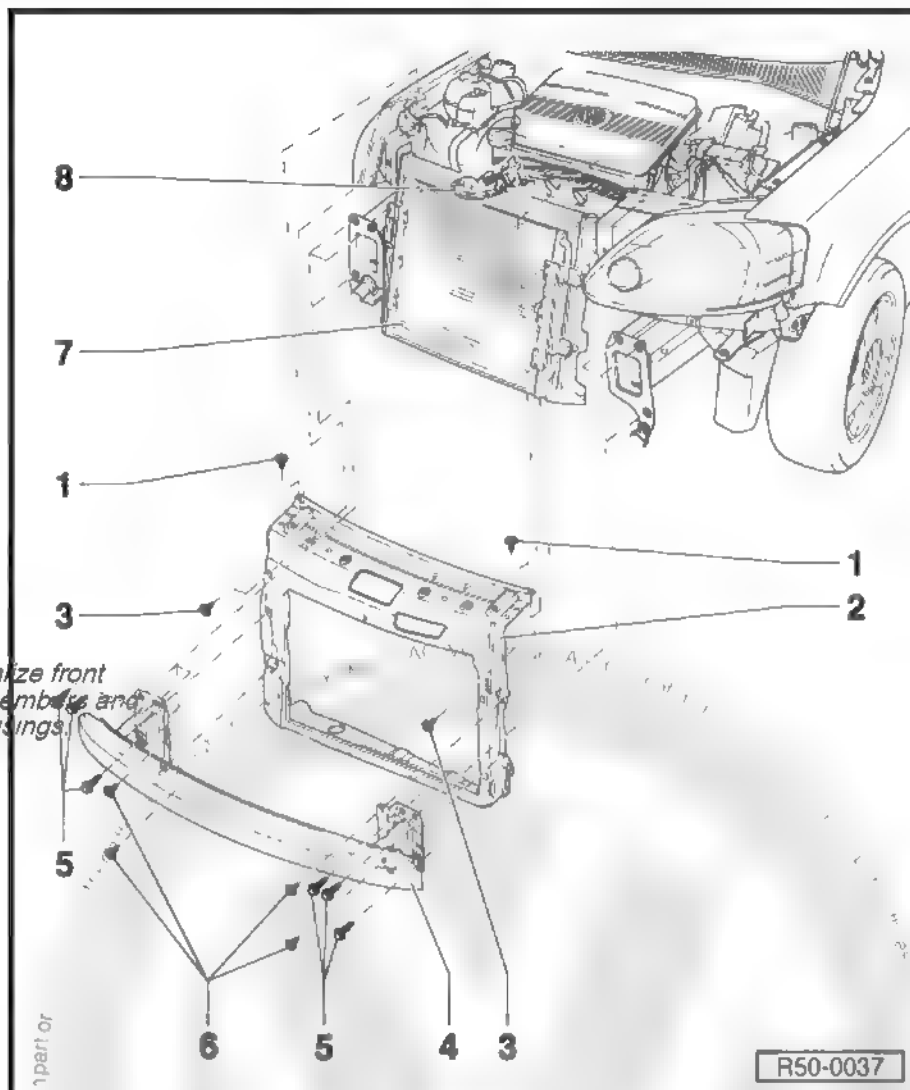
- ☐ 4 parts
- ☐ Torque: 8 Nm

7 - Radiator and condenser

- ☐ remove from front panel ⇒ Ventilation system; Rep. gr. 87 ; Air conditioning

8 - Bonnet latch

- ☐ Remove

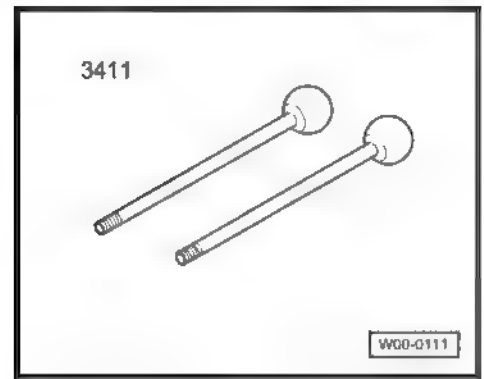


1.2 Front panel (Fox) - service position

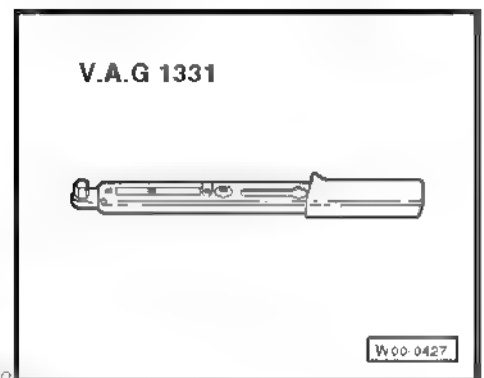
Special tools and workshop equipment required

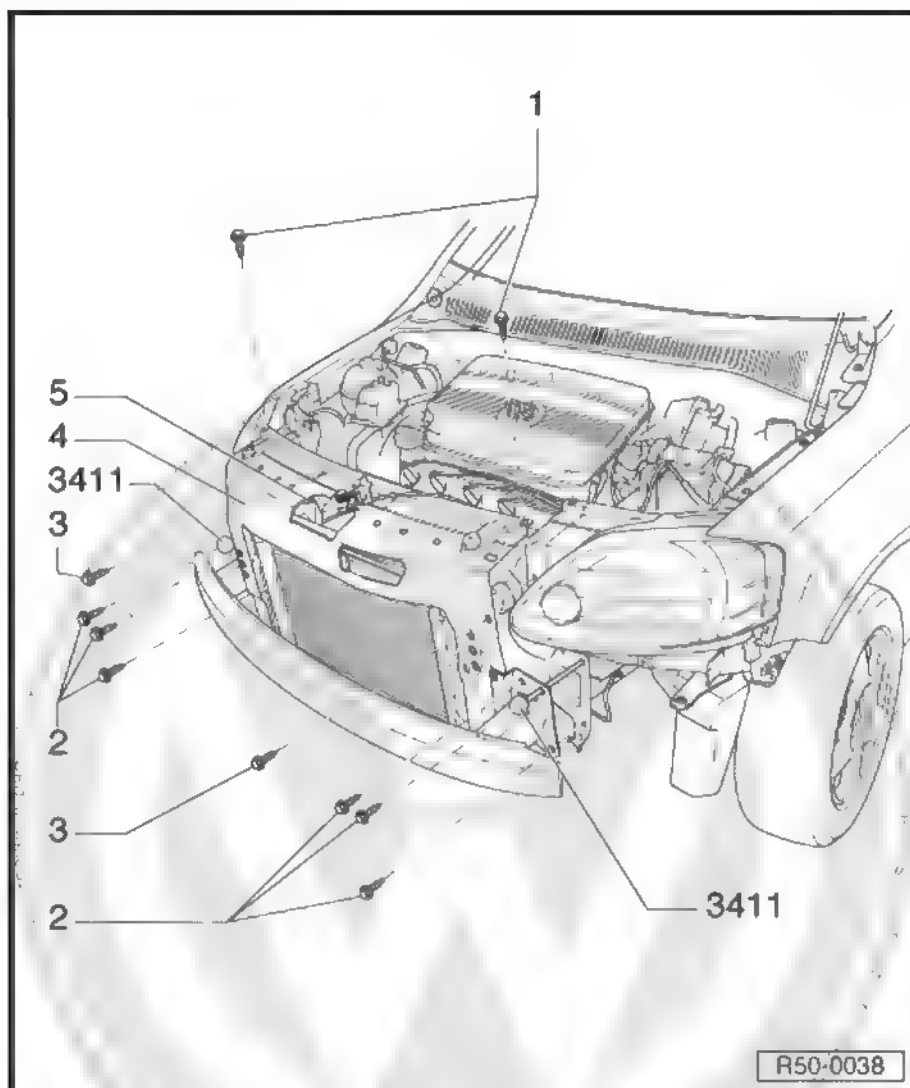


◆ Guide pins -3411-



◆ Torque wrench - 5 to 50Nm (enc. 1/2") -VAG 1331-





- Remove hood latch -5-.
- Remove front bumper.
- Release one screw -2- from each side and screw guide pins -3411- in their places in right and left longitudinal members.
- Release the screws -1- and -3-.
- Release other screws -2- from the longitudinal members and pull front panel -4- forward in the guide pin -3411- area.

1.3 Front panel with complementary parts (New Fox) - remove and install

Special tools and workshop equipment required



- ◆ Torque wrench - 5 to 50Nm (enc. 1/2") -VAG 1331-

V.A.G 1331



W00 0427



Note

- ◆ The air conditioning condenser hoses must not be bent.
- ◆ The condenser cannot be suspended by the hoses.

1 - Screw

- ☐ 2 parts
- ☐ Torque: 12 Nm

2 - Front bonnet latch

- ☐ Remove and install
⇒ [page 30](#)

3 - Front panel with complementary parts

4 - Screw

- ☐ 2 parts
- ☐ Torque: 8.5 Nm

5 - Protection adhesive tape

- ☐ The adhesive tape adhesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched.

6 - Front headlight support

7 - Screw

- ☐ 6 parts
- ☐ Torque: 30 Nm

8 - Screw

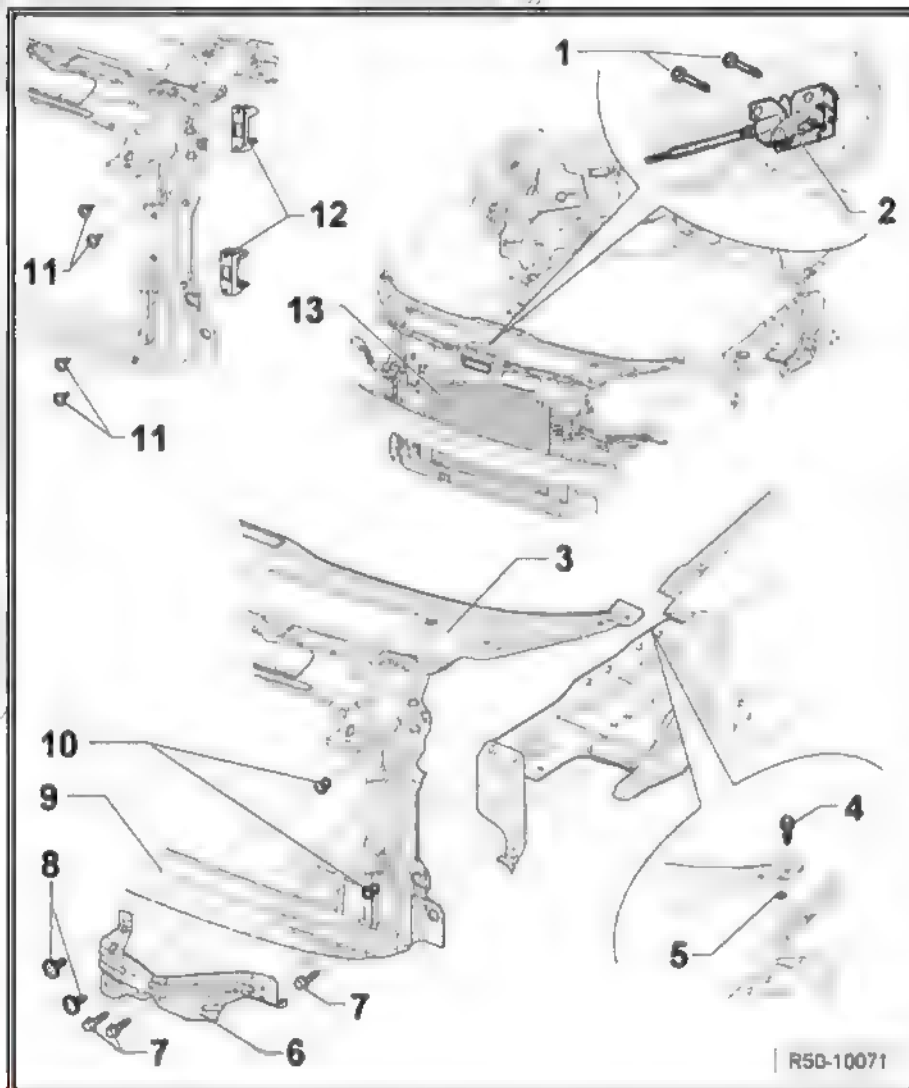
- ☐ 4 parts
- ☐ Torque: 8.5 Nm

9 - Front bumper

- ☐ Remove → [page 6](#)
- ☐ Install → [page 7](#)

10 - Riveted nut

- ☐ To install, use the riveted nut applicator POP NUT -VAG 1765B- or riveted nut applicator POP NUT -EQ 7422-





11 - Radiator mounting support fastening screw

12 - Radiator mounting support

13 - Radiator and condenser

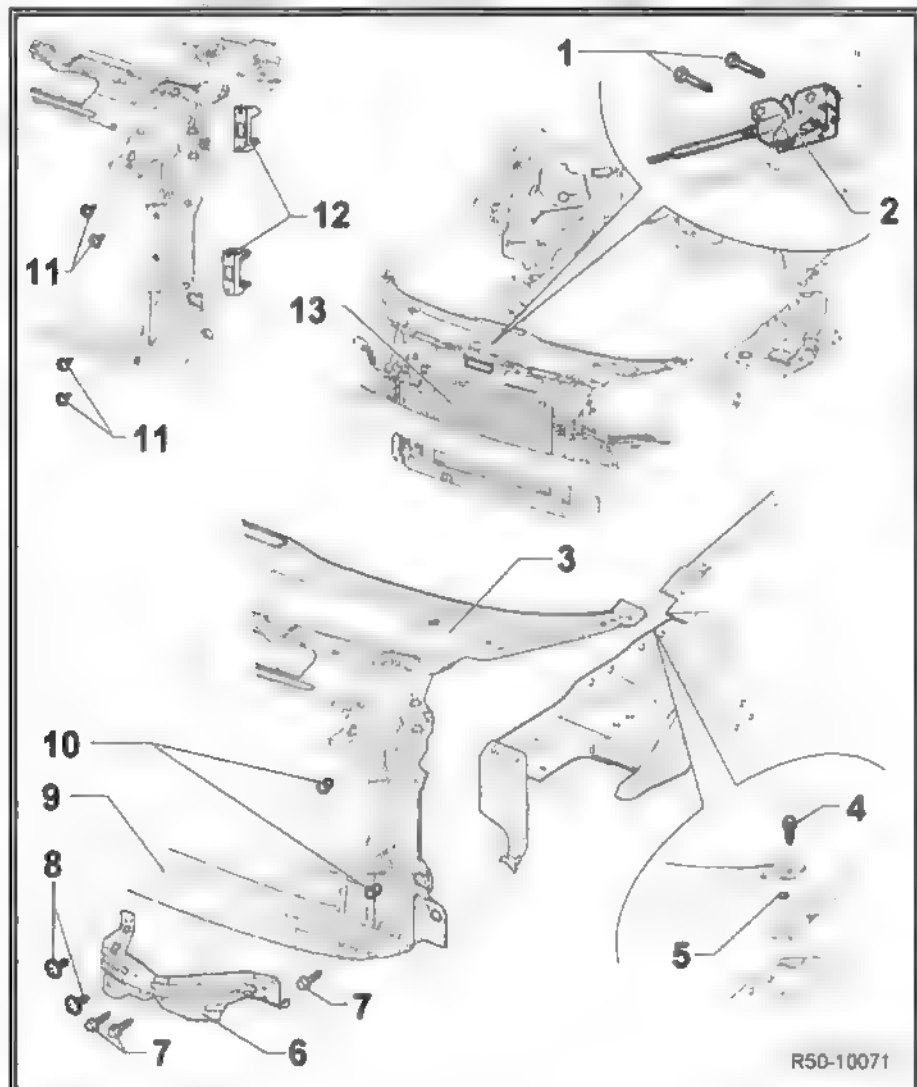
- ☐ remove from front panel ⇒ Ventilation system, Rep. gr 87 ; Air conditioning

1.3.1 Remove



Note

- ◆ *The front panel is a crucial safety part and cannot be repaired / recovered.*
- ◆ *In case of damage, the front panel must be replaced.*



R50-10071

- Remove door latch .
- Remove front protector
- Remove headlights ➤ Electrical equipment; Rep. gr. 94 ;
Switches, lights, and external lamps



- Remove fastening -7- screws from front bumper -9-, and remove the bumper
- Remove the screws -4-.
- Disengage radiator and condenser set of the ventilation system from radiator mounting supports -11-.
- Remove the front panel

1.3.2 Install

- Installation is performed in the reverse sequence of the removal



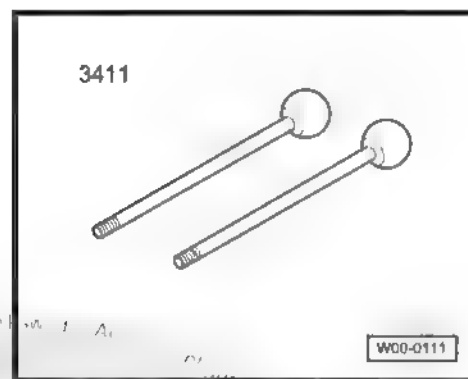
Note

Upon installation, centre the front panel on the longitudinal members and between the upper part of wheel cases.

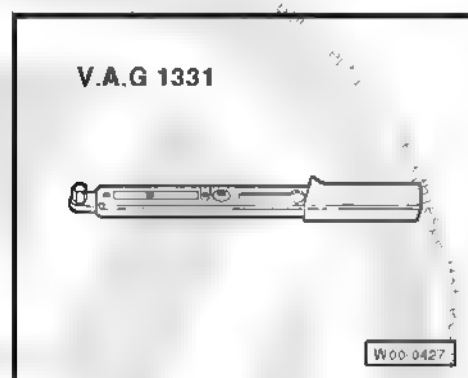
1.4 Front panel (New Fox) - service position

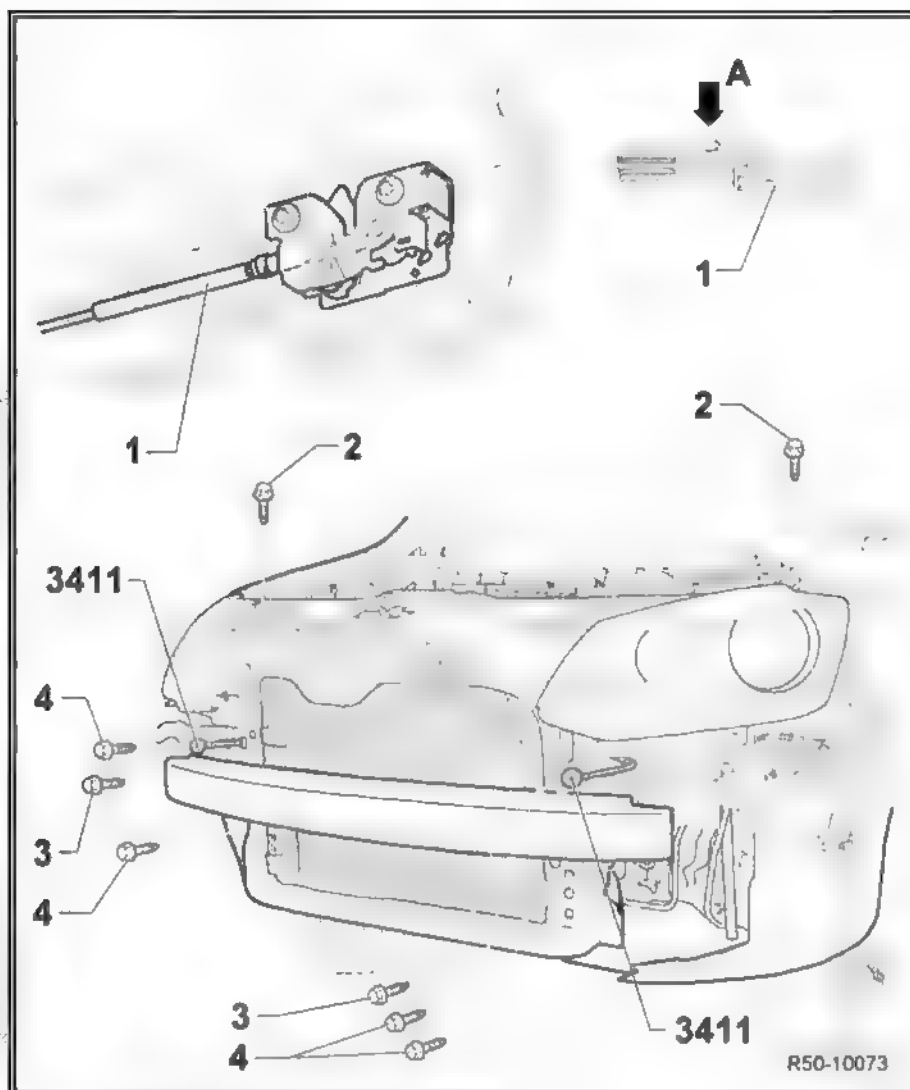
Special tools and workshop equipment required

- ◆ Guide pins -3411-



Torque wrench - 5 to 50Nm (enc. 1/2") -VAG 1331-





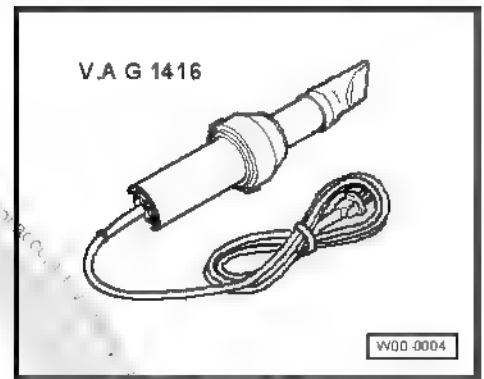
- Remove front protector.
- Disengage operating cable from latch -1- by pressing the lock towards -arrow A-, and disengaging it from latch.
- Remove screws -3- and in their places screw guide pins -3411- in right and left longitudinal member.
- Remove screws -4- and -2-.
- Move right panel forward by sliding it under guide pins -3411-.

1.5 Front wing (Fox) - assembly overview

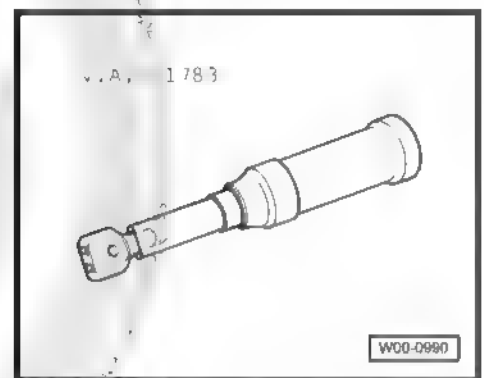
Special tools and workshop equipment required



◆ Hot air blower -VAG 1416-



◆ Torque wrench 2 to 10 Nm -VAG 1783-





1 - Wing

- ☐ Information for removal
- Remove front bumper
- Remove the wheel hub protector .
- If necessary, heat and remove the wing at the pillar A area with the hot air blower -VAG 1416- .



Note

When installing, before fastening the wing, you must apply a coat of zinc-based conductive paint *Painting Manual or -AKL 331 035 50-* to the contact area of each wing fastening point.

2 - Screw

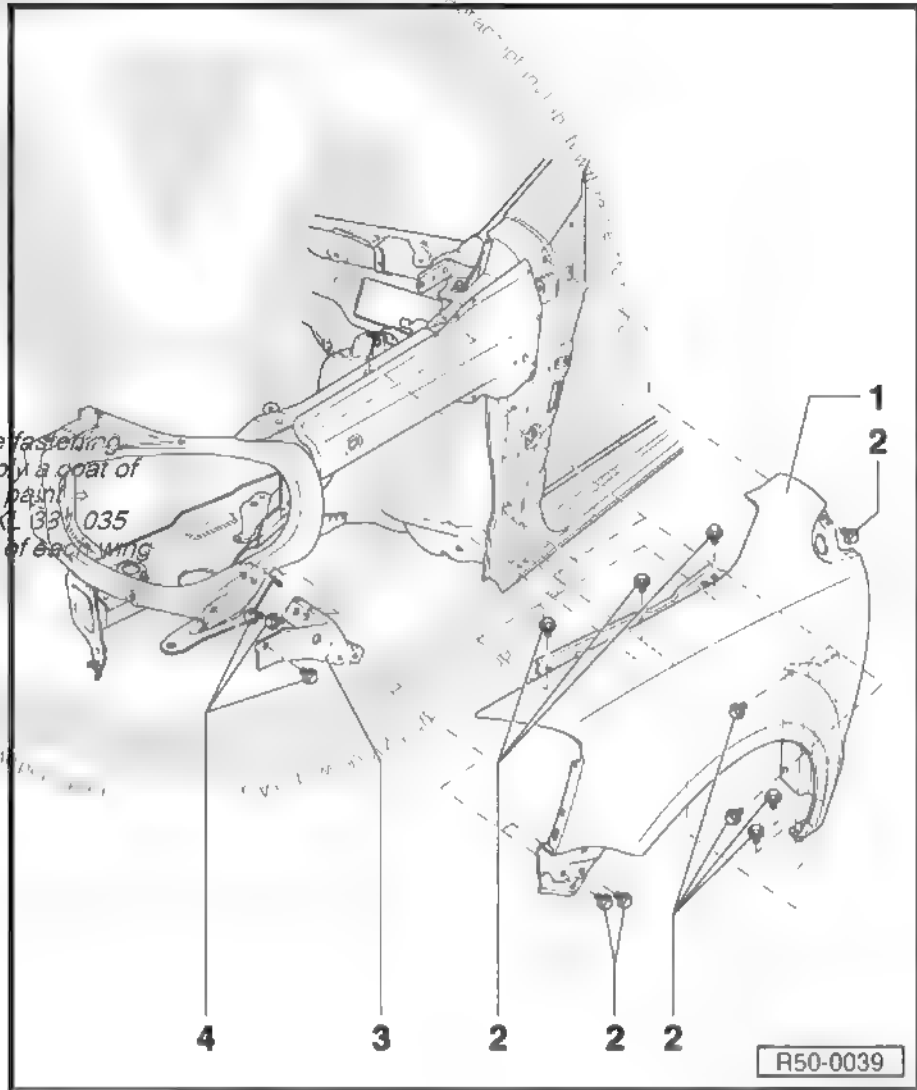
- ☐ Torque: 6 Nm
- ☐ 10 parts

3 - Support

- ☐ fastened with screws to the wheel case

4 - Screw

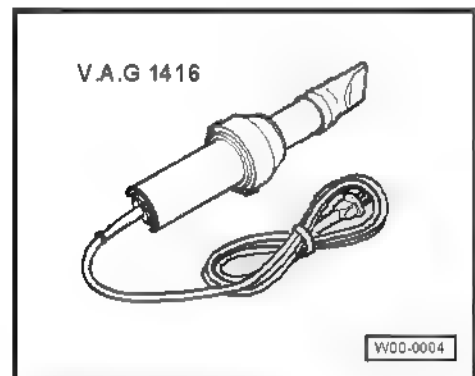
- ☐ Torque: 6 Nm
- ☐ 3 parts



1.6 Front wing (New Fox) - assembly overview

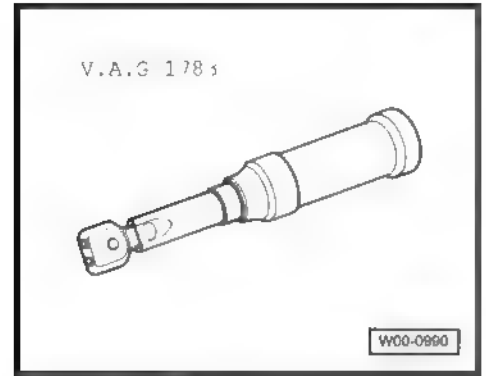
Special tools and workshop equipment required

- ◆ Hot air blower -VAG 1416-





◆ Torque wrench 2 to 10 Nm -VAG 1783-



1 - Screw

- ☐ Torque: 1.5 Nm
- ☐ 1 unit

2 - Riveted nut

- ☐ To install, use the POP NUT rivet nut applicator -VAG 1765B- or POP NUT rivet nut applicator -EQ 7422-
- ☐ 5 parts

3 - Wing

- ☐ Information for removal:
- Remove front protector.
- Remove the wheel hub protector.
- If necessary, heat and remove the wing at the pillar A area with the hot air blower -VAG 1416-.



Note

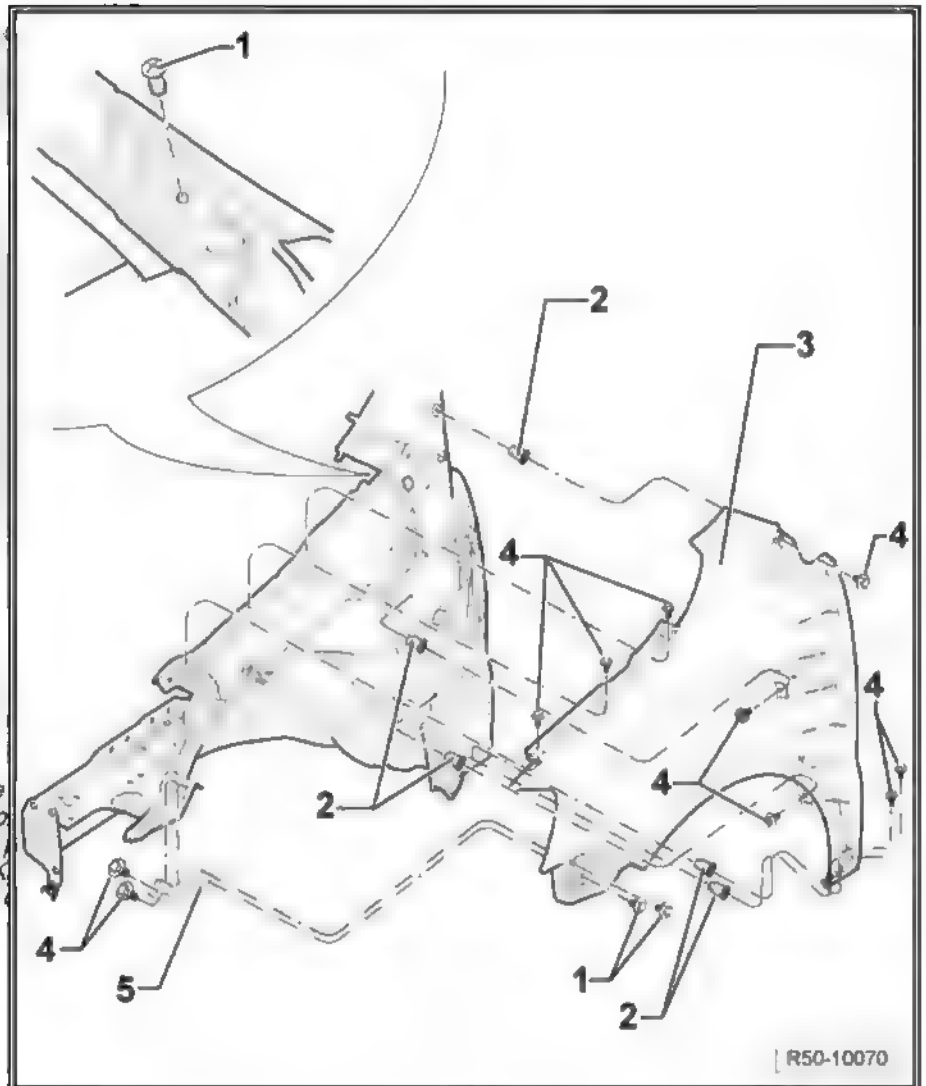
When installing, before the wing, you must apply zinc-based conductive Painting Manual or AK 50- to the contact area fastening point.

4 - Screw

- ☐ Torque: 1.5 Nm
- ☐ 12 parts

5 - Support

- ☐ fastened with screws to the wheel case

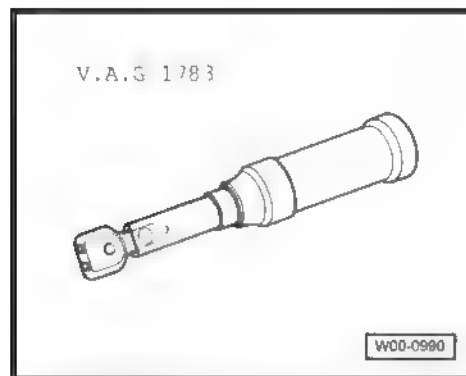


1.7 Noise insulation (petrol engine) - assembly overview

Special tools and workshop equipment required



- ◆ Torque wrench 2 to 10 Nm -VAG 1783-

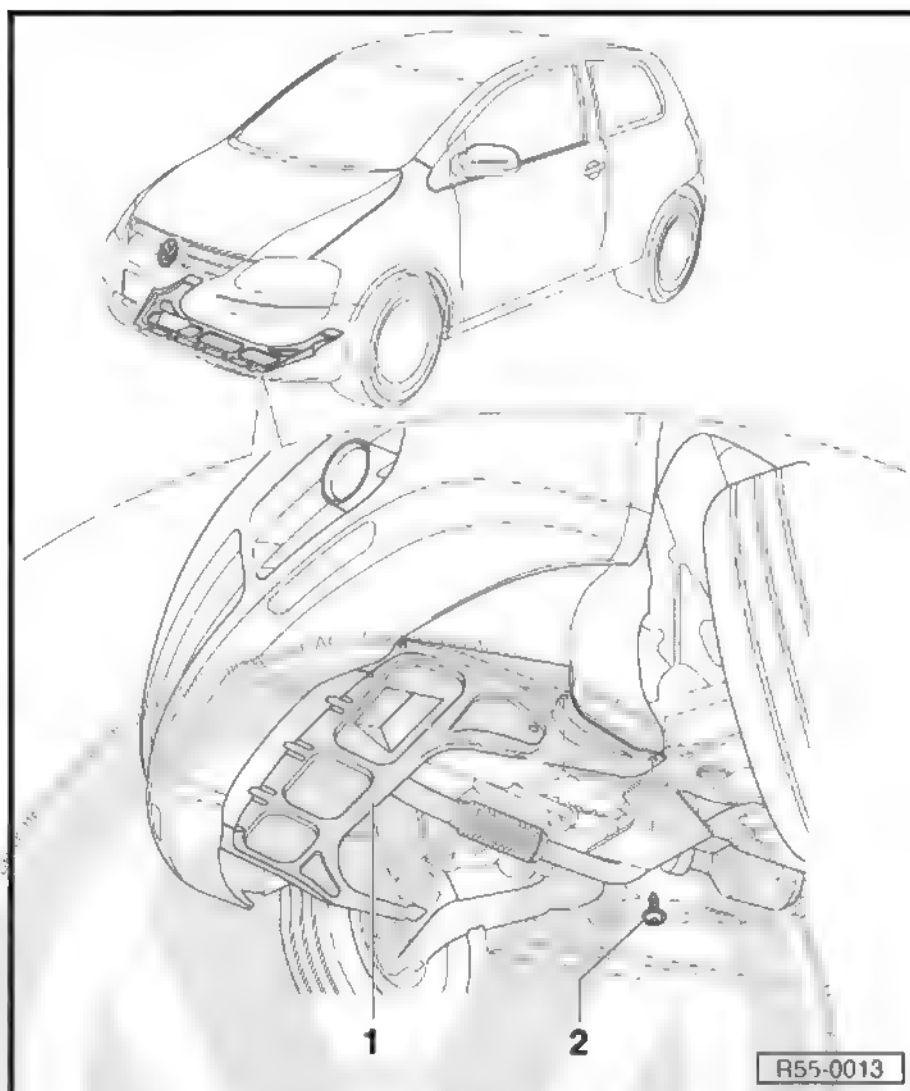


1 - Noise insulation

- ☐ fastened to and fitted in the front section of front panel

2 - Screw

- ☐ Torque: 6 Nm
- ☐ 6 parts

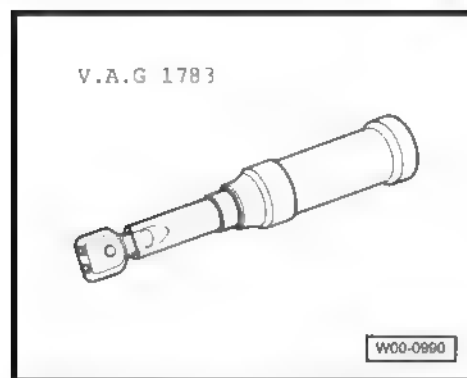


1.8 Noise insulation (diesel engine) - assembly overview

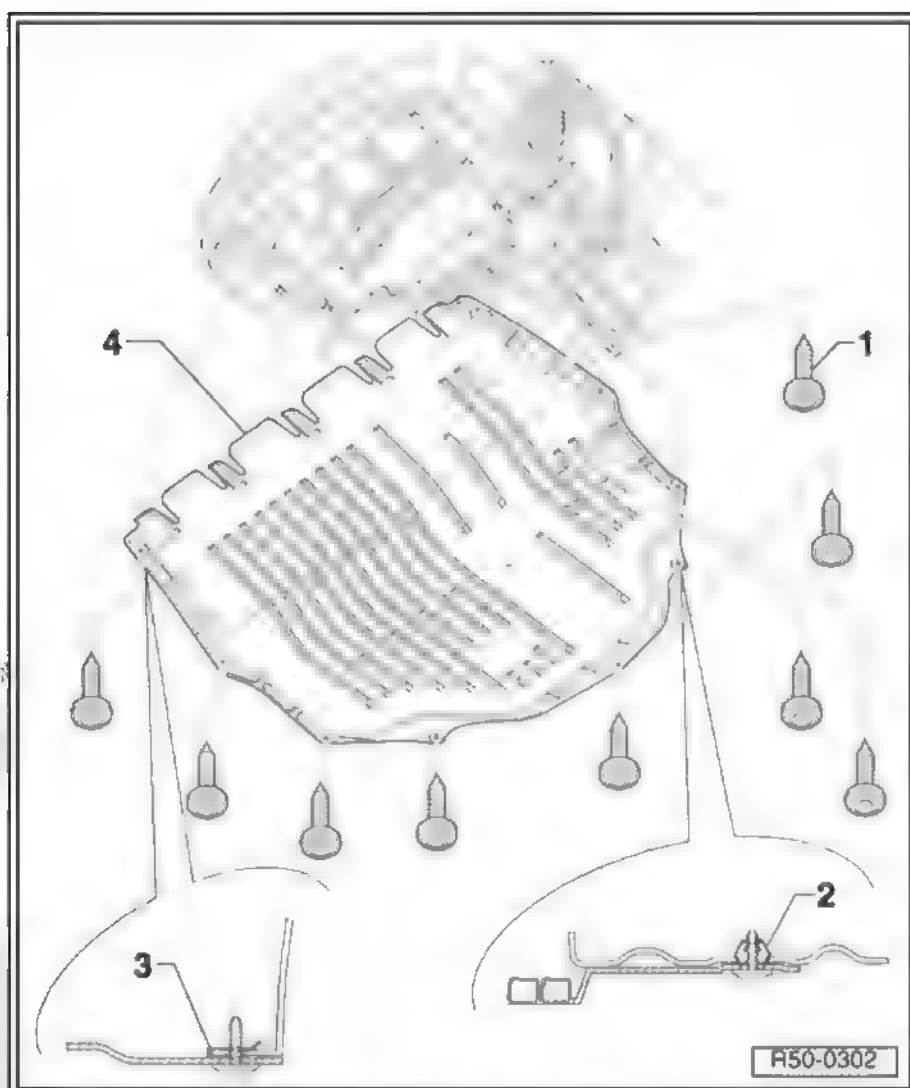
Special tools and workshop equipment required



- ◆ Torque wrench 2 to 10 Nm -VAG 1783-



- 1 - Screw
 - ☐ 9 parts
 - ☐ Torque: 2.5 Nm
- 2 - Bushing
 - ☐ replace if necessary
- 3 - Quick nut
- 4 - Noise insulation
 - ☐ for diesel engines
 - ☐ fastened to and fitted in the front section of front panel



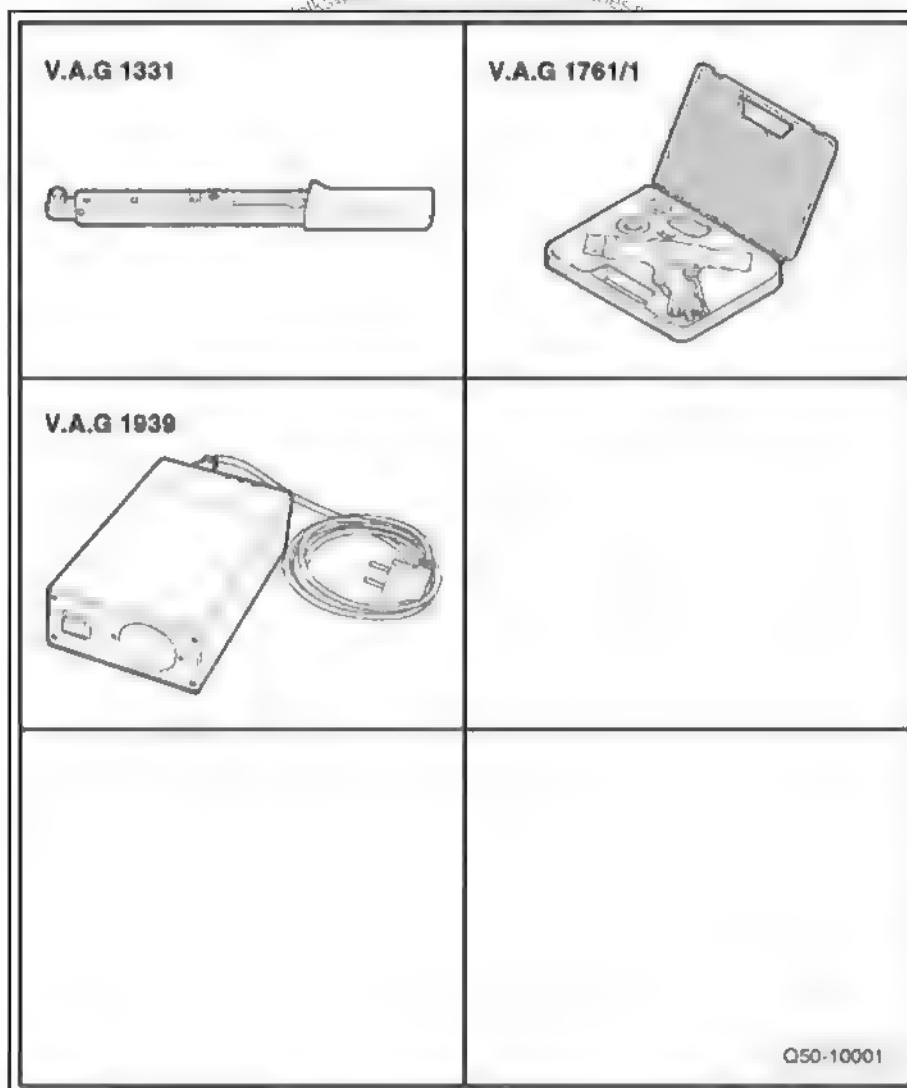


2 Engine compartment's partition panel

2.1 Tools

Special tools and workshop equipment required

- ◆ Torque wrench - 5 to 50Nm (enc. 1/2") -VAG 1331-
- ◆ Cartridge heater -VAG 1939A-
- ◆ Pneumatic Adhesive applicator for glued glasses - VAG 1761/1- or Adhesive applicator for glued glasses -VAG 1628-



2.2 Auxiliary materials for Brazilian market

- ◆ Glass adhesion kit ⇒ Chemical Material Manual ; Rep. gr. 00 ; Chemical Material Manual - List of authorized products - 1), 2), 3)
- ◆ Cleaning solution D 009 401 04 - 2)

1) Exclusive option for the export markets. The Kit includes (U-400 HV) 310 ml. cartridge, primer (primer 5404 A), activator / glass cleaner (primer 5500)

2) Observe the procedural indications in accordance with the manufacturer's prescriptions for packaging disposal

3) Follow the minimum curing time ➔ [page 16](#) .



2.3 Auxiliary materials for export market

- ◆ 1K Glass adhesive DH 009 100 (300 ml) - 1) , 2) , 3)
- ◆ Glass and painting primer D 009 200 02 - 1)
- ◆ Cleaning solution D 009 401 04 - 1)
- ◆ Primer applicator D 009 500 25

4) Observe the procedural indications in accordance with the manufacturer's prescriptions for packaging disposal

5) Heat up them according to manufacturer instructions Cartridge heater -VAG 1939A-

6) Respect minimum curing time ➔ [page 16](#)

2.4 Matching table



Note

To help understanding, please find below a comparison table for materials used in the Brazilian and export markets

Product	Brazilian Market	Export Market
PU Adhesive	U-400 HV	DH 009 100 (300 ml)
Body primer	Primer 5404 A	D 009 200 02

2.5 Engine compartment partition panel - assembly overview



Note

The engine compartment partition panel -1- is also fastened with polyurethane adhesive (PUR) -3-.



1 - Engine compartment's partition panel

- ❑ remove

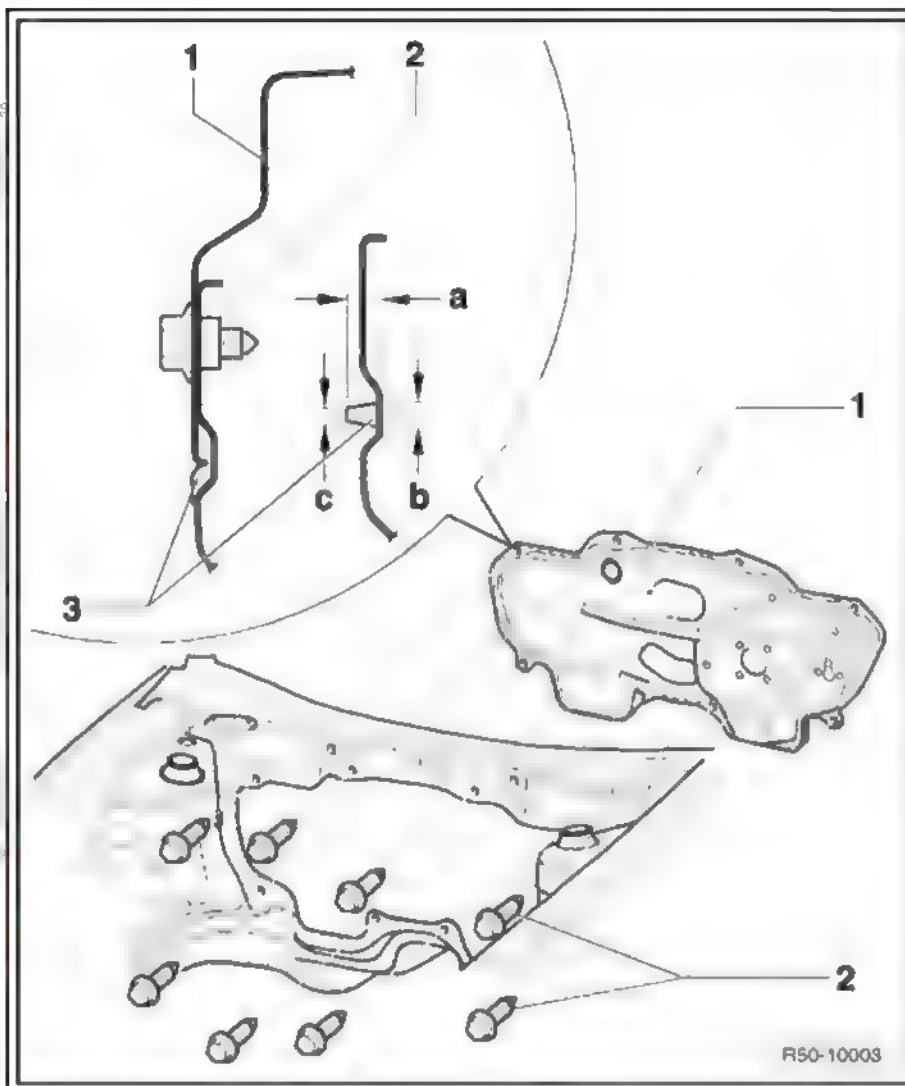
- After the screws are removed -2-, cut the adhesive cord.

2 - Screw

- ❑ 8 parts
- ❑ Torque: 25 Nm

3 - PUR adhesive

- ❑ Auxiliary materials Brazilian market ⇒ [page 14](#)
- ❑ Auxiliary materials for the export market ⇒ [page 15](#)
- ❑ cord section: -a- = 11 mm, -b- = 8.5 mm, -c- = 7 mm
- ❑ minimum curing time ⇒ [page 16](#)



2.6 Minimum adhesive drying time

Minimum curing time is the time from panel gluing to vehicle usage. During this time, the vehicle must remain on a flat surface and at room temperature (at least 59 °F).



Note

The vehicle may be delivered to client 3 hours after repair, minimum.



3 Engine compartment upper partition panel

3.1 Engine compartment upper partition panel - assembly overview



Note

The engine compartment upper partition panel -1- is fastened also with polyurethane adhesive (PUR) -3-.

1 - Engine compartment upper partition panel

- ☐ remove:

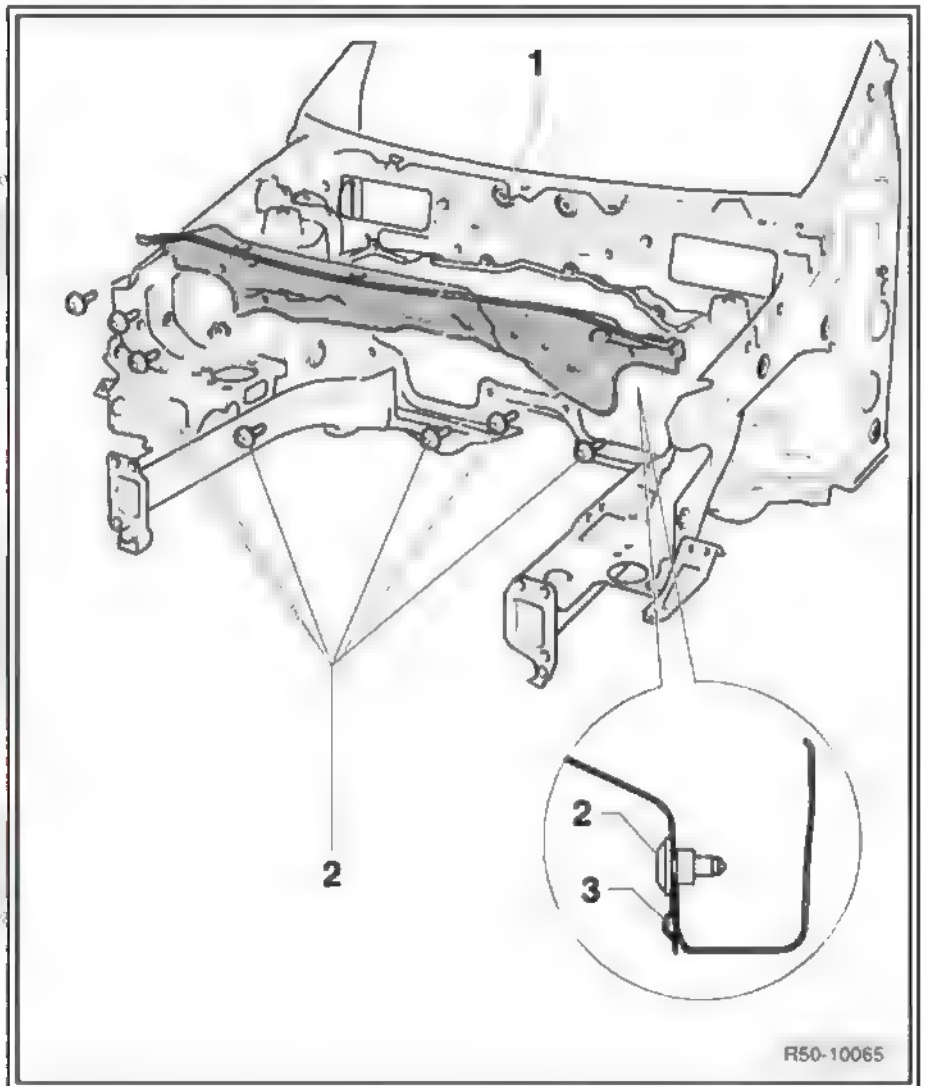
- After the screws are removed -2-, cut the adhesive cord.

2 - Screw

- ☐ 8 parts
- ☐ Torque: 25 Nm

3 - PUR adhesive

- ☐ Auxiliary materials Brazilian market ⇒ [page 14](#)
- ☐ Auxiliary materials for the export market ⇒ [page 15](#)
- ☐ Minimum curing time ⇒ [page 16](#)



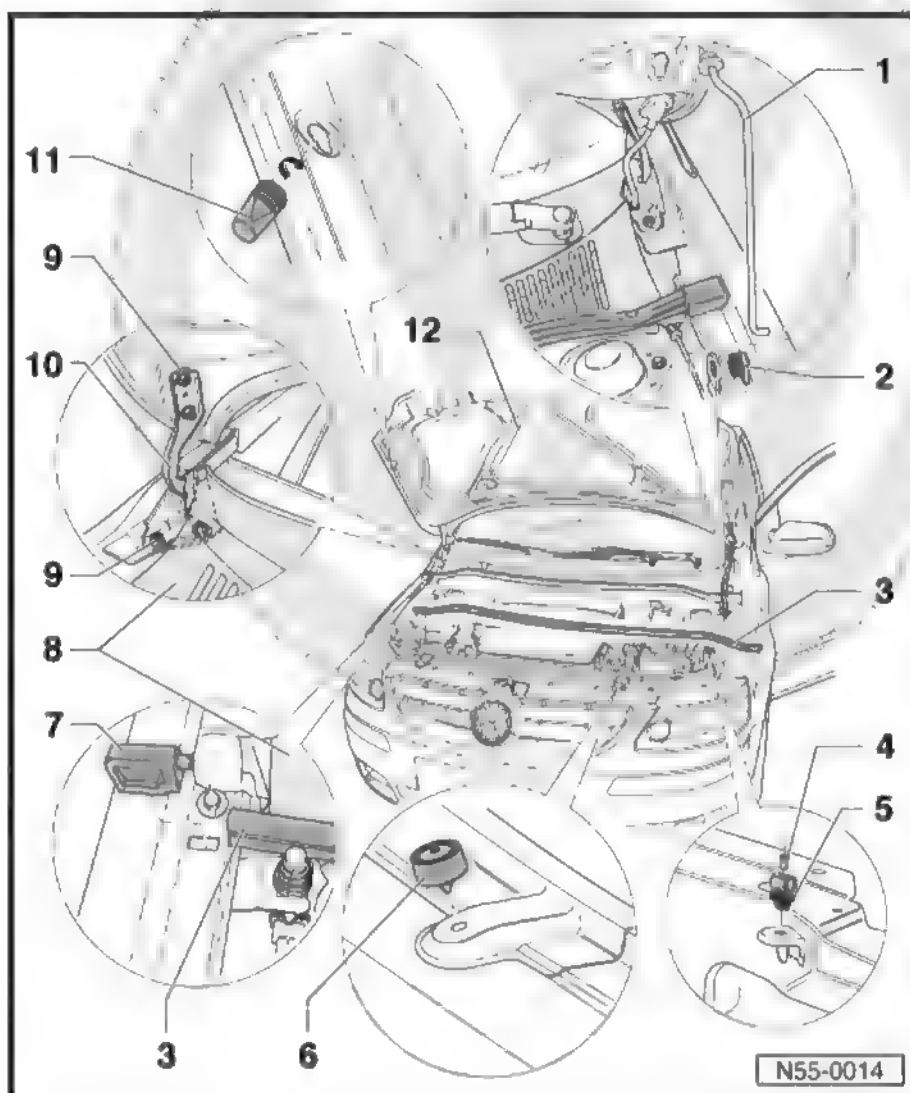


55 – Bonnets

1 Bonnet

1.1 Front bonnet (Fox) - assembly overview

- 1 - Bonnet supporting rod
- 2 - Bushing
- 3 - Bonnet packing
 - ☐ fitted onto the flange
- 4 - Expansion pin
- 5 - Fastening clip
 - ☐ for bonnet supporting rod
- 6 - Buffer
- 7 - Stuffing
- 8 - Lower windscreen covering
 - ☐ Remove and install
- 9 - Screw
 - ☐ 4 pieces per hinge
 - ☐ Torque: 23 Nm
- 10 - Hinge
- 11 - Adjustment buffer
 - ☐ the bonnet can be adjusted in the height in relation to the wing by threading or unthreading it
- 12 - Bonnet
 - ☐ Remove:
 - Remove pipes for windscreen washer and nozzles.
 - Loose screws -9- of front bonnet, and remove the bonnet.



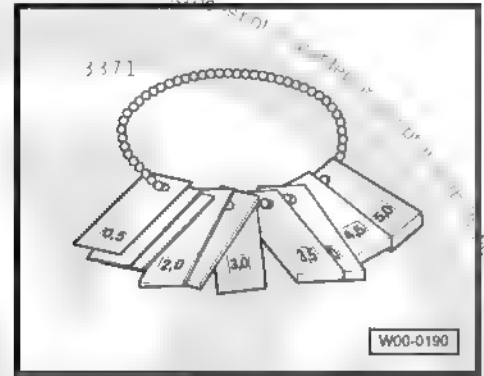
- Check latch distance from locking hook in front bonnet: „a” should be ≥ 7 mm
- ☐ Adjust \Rightarrow [page 18](#)

1.2 Front bonnet (Fox) - adjust

Special tools and workshop equipment required



◆ Adjustment gauge -3371-



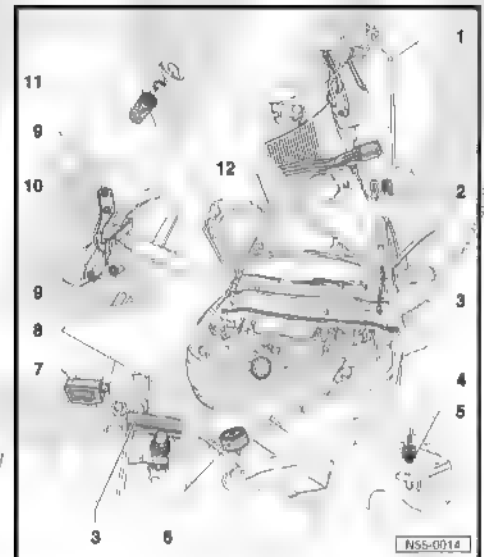
- The bonnet can be aligned between the wings by moving the bonnet hinges in the elongated holes.
- Through the adjustment buffers -13-, the bonnet can be adjusted for height in respect to the wing panels.
- Clearance dimensions ⇒ Body Repairs; Rep. gr. 00 ; Technical data - Body clearance dimensions.



Note

Check front bonnet latch alignment dimension „a“ with locking hook ⇒ [page 23](#)

- After assembly or adjustment works, the following measures must be taken for protection against corrosion in hinges and screws.



1.3 Latch operation cable (fox) - assembly overview



1 - Sealing bellows

- ☐ from water deflector panel to internal compartment

2 - Operating cable

- ☐ remove and install
➔ [page 20](#)

3 - Sealing bellows

- ☐ from engine compartment to water deflector panel.

4 - Operating cable fastening clamp

- ☐ 2 parts

5 - Distance bushing

- ☐ 2 parts

6 - Screw

- ☐ 2 parts
- ☐ Torque: 1.5 Nm

7 - Activation lever

- ☐ with support

8 - Clamp

- ☐ for operating cable

9 - Screw

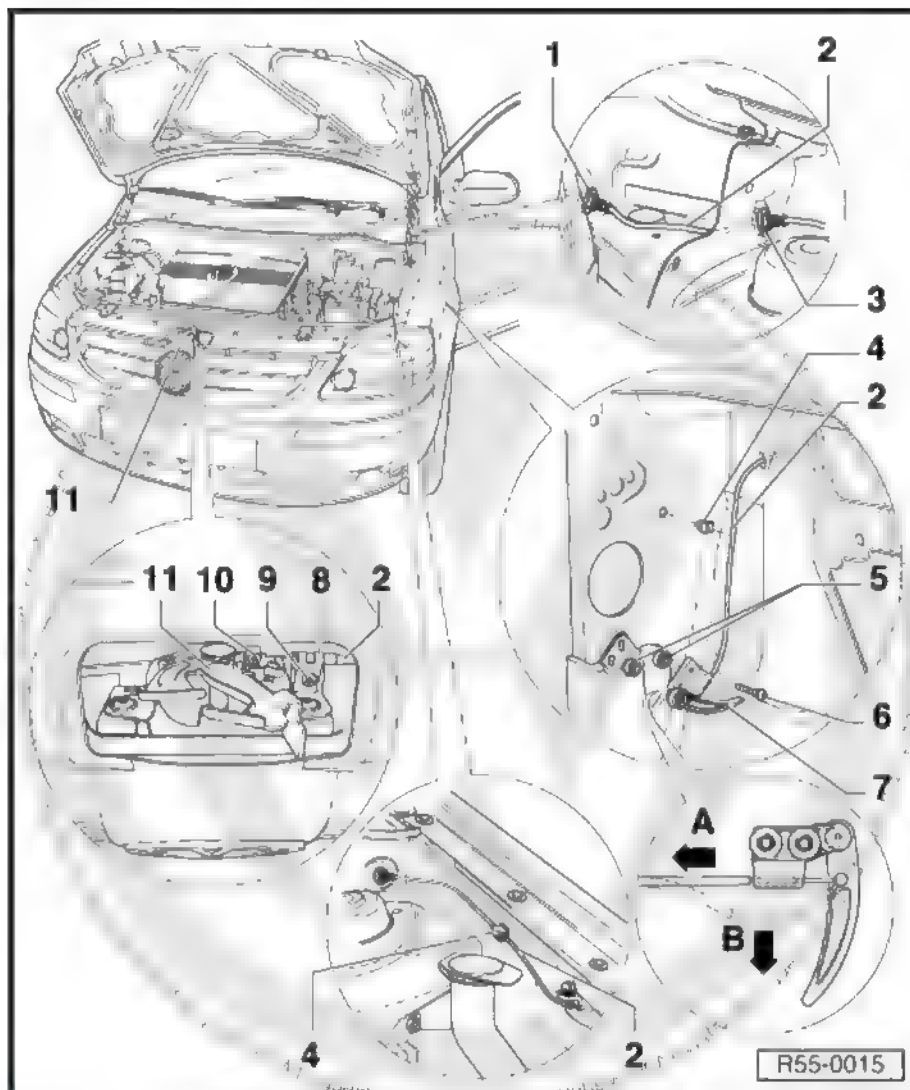
- ☐ 3 Nm

10 - Fastening screw

- ☐ for cable
- ☐ Torque: 3 Nm

11 - Front bonnet latch

- ☐ Assembly overview ➔ [page 23](#)
- ☐ Remove and install front bonnet latch ➔ [page 24](#)



1.4 Latch operating cable (Fox) - remove and install

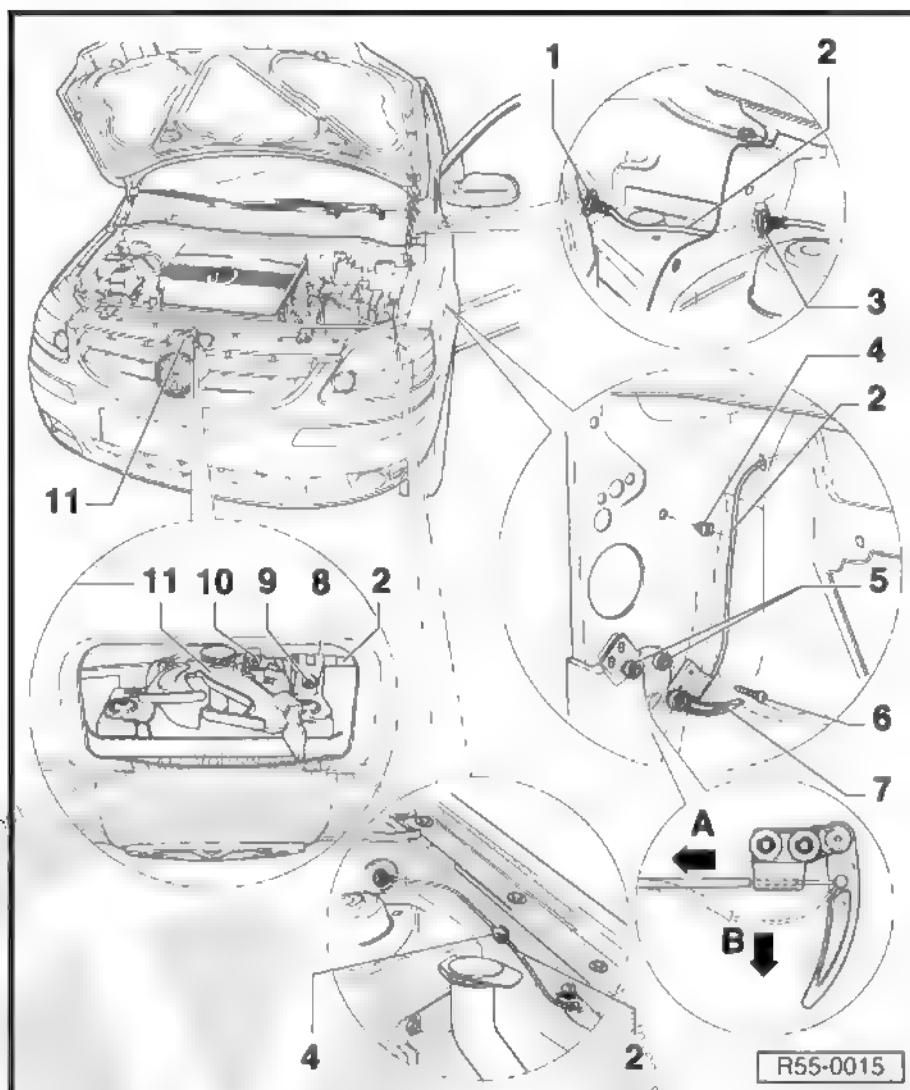


Note

While the operating cable is not fully installed, under no circumstances the bonnet can be closed, otherwise the bonnet latch will be locked and, without the operating cable installed, it cannot be opened again



- Disengage control unit for on-board electrical system -J519- and its support. Disengage relay plate and put it aside; afterwards, remove the three screws fastening the support to the relay plate.
- Remove lower windscreen lining.
- Release the fastening screw -10- from the bonnet latch -11- and, if necessary, straighten the operating cable tip -2-.
- Release fastening screw -9- from clamp -8- and pull operating cable off
- Remove fastening screws -6- from operating lever -7- and disengage operating lever from side wall
- Pull operating lever operating cable cover -2- out of seating in support -arrow A- and remove cable.
- Turn operating cable -arrow B- and remove it from seating in operating lever
- Loosen sealing bellows -1- and -3- from fastening clamps -4- on the side of the partition wall and operating cable -2-.
- Pull operating cable -2- in direction of engine compartment.



Install

Install is performed in the reverse sequence, observing the following:

- Place the sealing bellows -1- and -3- onto the new operating cable.



Note

Arrange correct sealing bellows seating in order to avoid leakage.

- Pass operating cable through bonnet latch -11-; in this case, the operating cable bushing must be completely pushed into clamp -8-. Tighten fastening screw -9- to 3 Nm.
- In order to adjust operating cable, operating lever -7- must be completely pressed forward and then fastening screw -10- must be tightened in bonnet latch -11- to 3 Nm.
- Check whether latch activation and opening mechanism operation is OK. Lastly, fold remaining cable tip

1.5 Bonnet hinge - remove and install

Special tools and workshop equipment required



- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-

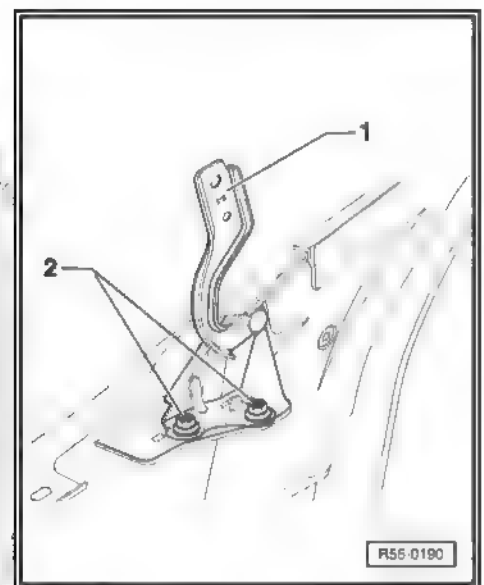
V.A.G 1331



W00 0427

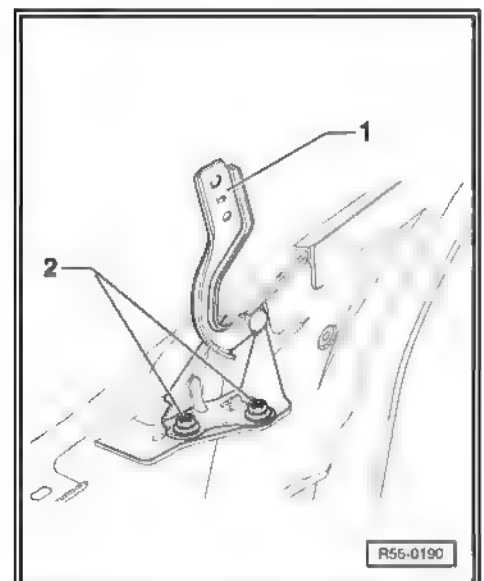
1.5.1 Remove

- Remove bonnet ➔ [page 18](#) .
- Remove the screws -2- for fastening the hinge -1-.



1.5.2 Install

- Install the hinge -1-.
- Torque of screws -2-. 24Nm.
- Install bonnet.



1.6 Front bonnet latch (Fox) - assembly overview



1 - Locking hook

- ☐ fastened with front bonnet
- ☐ check locking hook distance from latch in front bonnet: „a“ should be ≥ 7 mm

2 - Front bonnet latch

- ☐ remove and install
⇒ [page 24](#)
- ☐ adjust: through elongated holes
- ☐ check latch distance from locking hook in front bonnet: „a“ should be ≥ 7 mm
- ☐ Clearance dimensions
⇒ Body Repairs; Rep. gr. 00; Technical data - Body clearance dimensions.

3 - Screw

- ☐ 2 parts
- ☐ Torque: 8 Nm

4 - Clamp

- ☐ for operating cable

5 - Operating cable

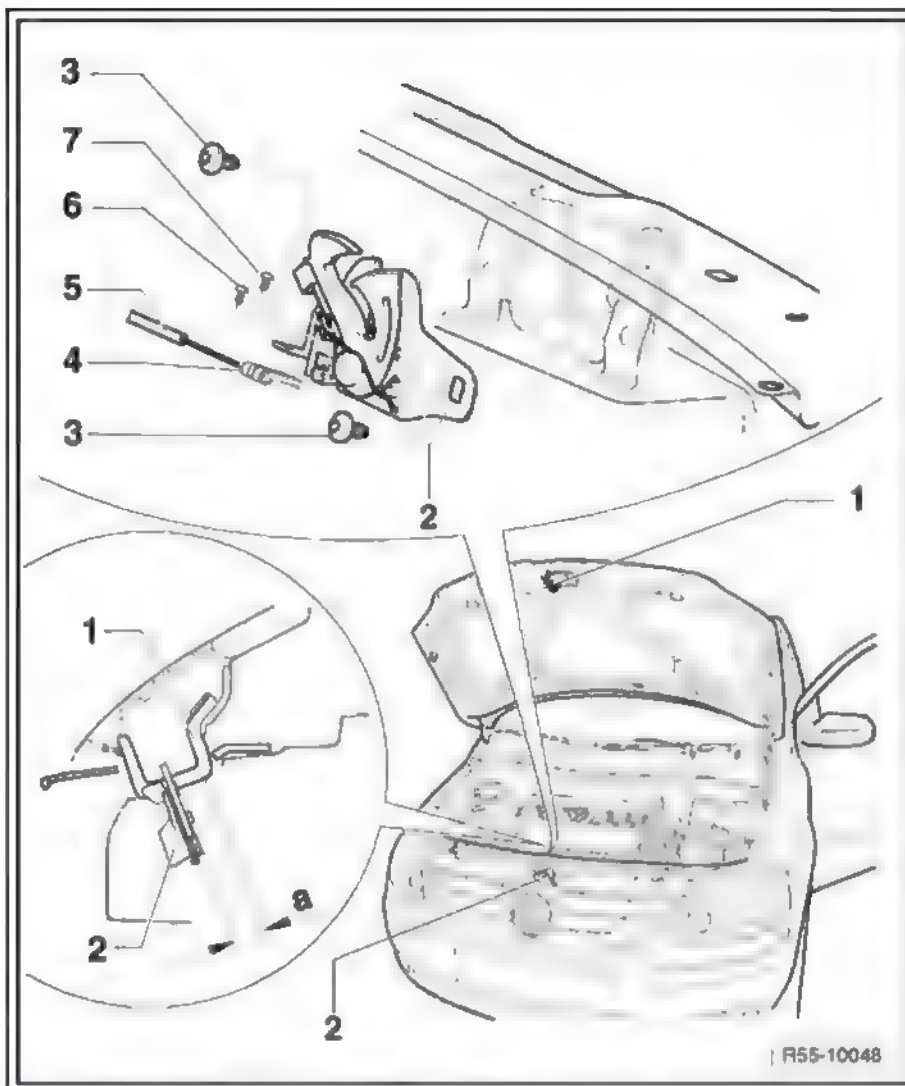
- ☐ remove and install
⇒ [page 20](#)

6 - Screw

- ☐ Torque: 3 Nm

7 - Fastening screw

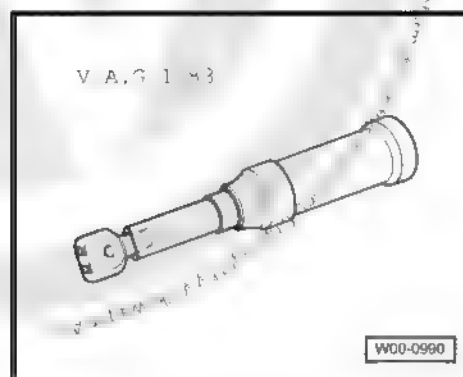
- ☐ for cable
- ☐ Torque: 3 Nm



1.7 Front bonnet latch (Fox) - remove and install

Special tools and workshop equipment required

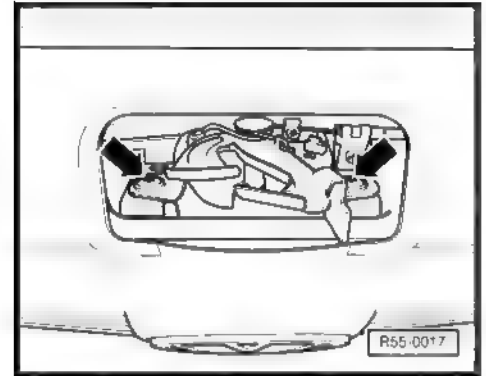
- ◆ Torque wrench 2 to 10 Nm - VAG 1783-



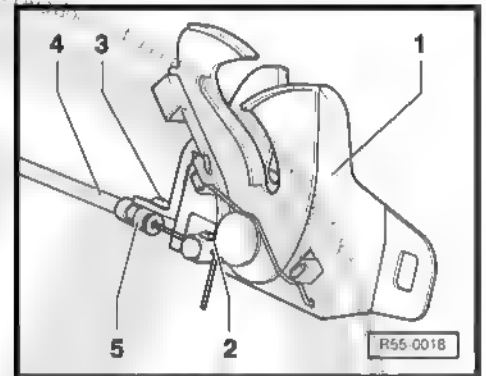


Remove

- Unscrew screws -arrows- and pull bonnet latch out of front panel in direction of engine compartment.

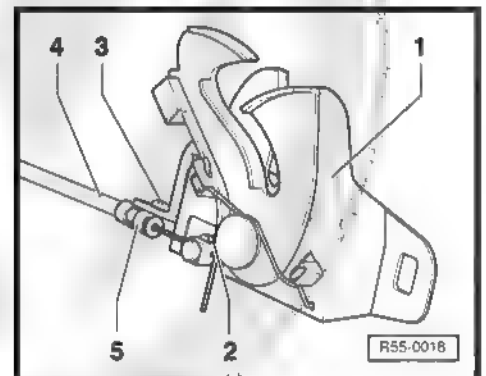


- Loosen fastening screw -2- from operating cable -4- and, if necessary, unfold operating cable end.
- Unscrew fastening screw -3- from clamp -5- and remove operating cable -4- from bonnet latch -1-.



Install

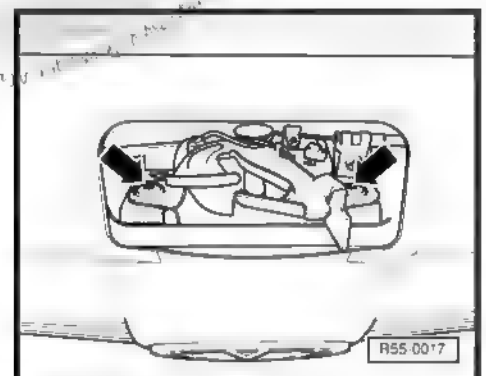
- Pass operating cable through bonnet latch -1-; in this case, operating cable bushing -4- must be completely pushed in clamp -5-.
- Tighten fastening screw -3- to 3 Nm.
- In order to adjust operating cable, operating lever ⇒ **Item 7 (page 20)** must be completely pressed forward and then fastening screw -2- must be tightened in bonnet latch -1- with 3 Nm.
- Check whether latch activation and opening mechanism operation is OK. Lastly, fold remaining cable tip.
- Place bonnet latch on front panel through the side of the engine compartment, and manually tighten screws -arrows-.



Note

Check front bonnet latch alignment dimension „a“ with locking hook ⇒ **page 23**

- Check clearance dimensions and adjust bonnet latch through elongated holes if necessary ⇒ Body Repairs; Rep. gr. 00 ; Technical data - Body clearance dimensions .
- Fasten fastening screws -arrows- with final tightening of 8 Nm.



1.8 Front bonnet (New Fox) - assembly overview



1 - Front bonnet side packing

2 - Bonnet supporting rod

3 - Bushing

4 - Expansion pin

5 - Fastening clip

- ☐ for bonnet supporting rod

6 - Protection adhesive tape

- ☐ Under no circumstances should the self-adhesive surface of the tape be touched.
- ☐ Clean the tape application area with adhesive remover -D 002 000 10- and then apply cleaning solution -D 009 401 04-

7 - Adjustment buffer

- ☐ the bonnet can be adjusted in the height in relation to the wing by threading or unthreading it

8 - Screw

- ☐ 2 pieces per hinge
- ☐ Torque: 24 Nm

9 - Hinge

10 - Screw

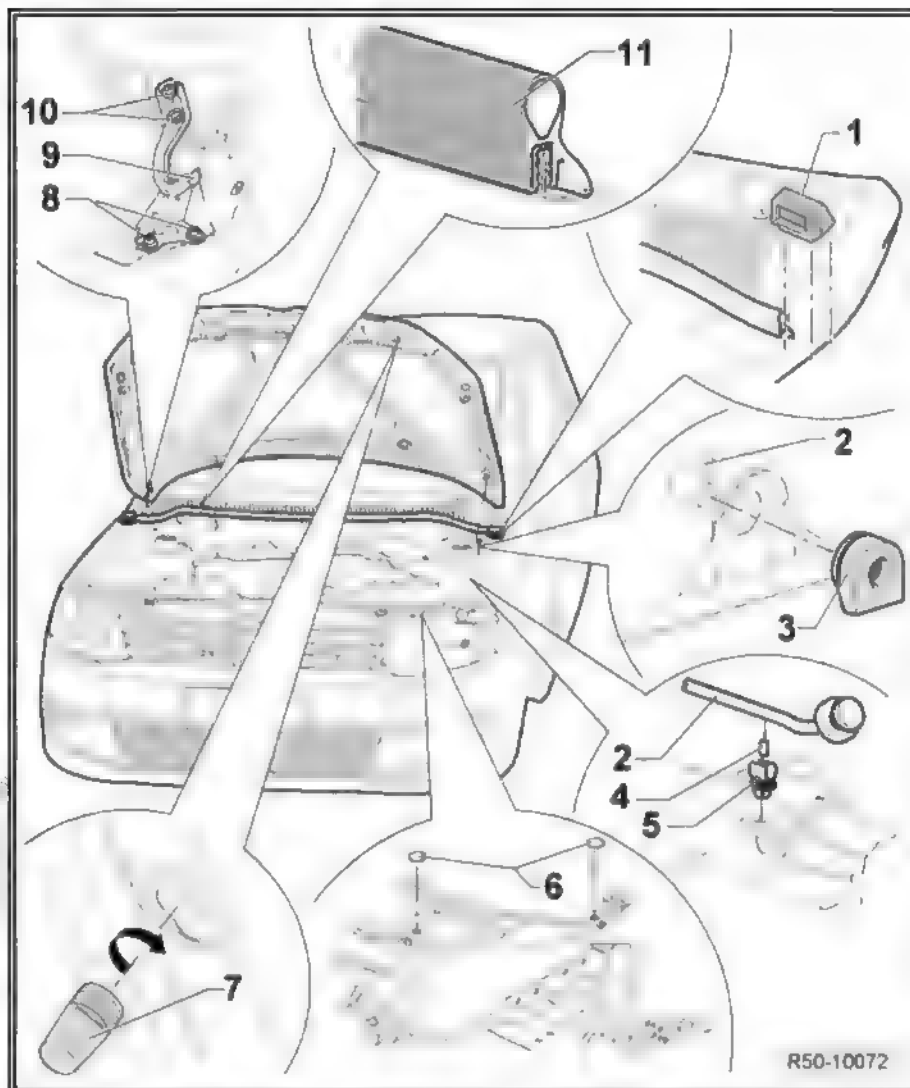
- ☐ 2 pieces per hinge
- ☐ Torque: 24 Nm

11 - Bonnet packing

- ☐ fitted onto the hinge

12 - Bonnet

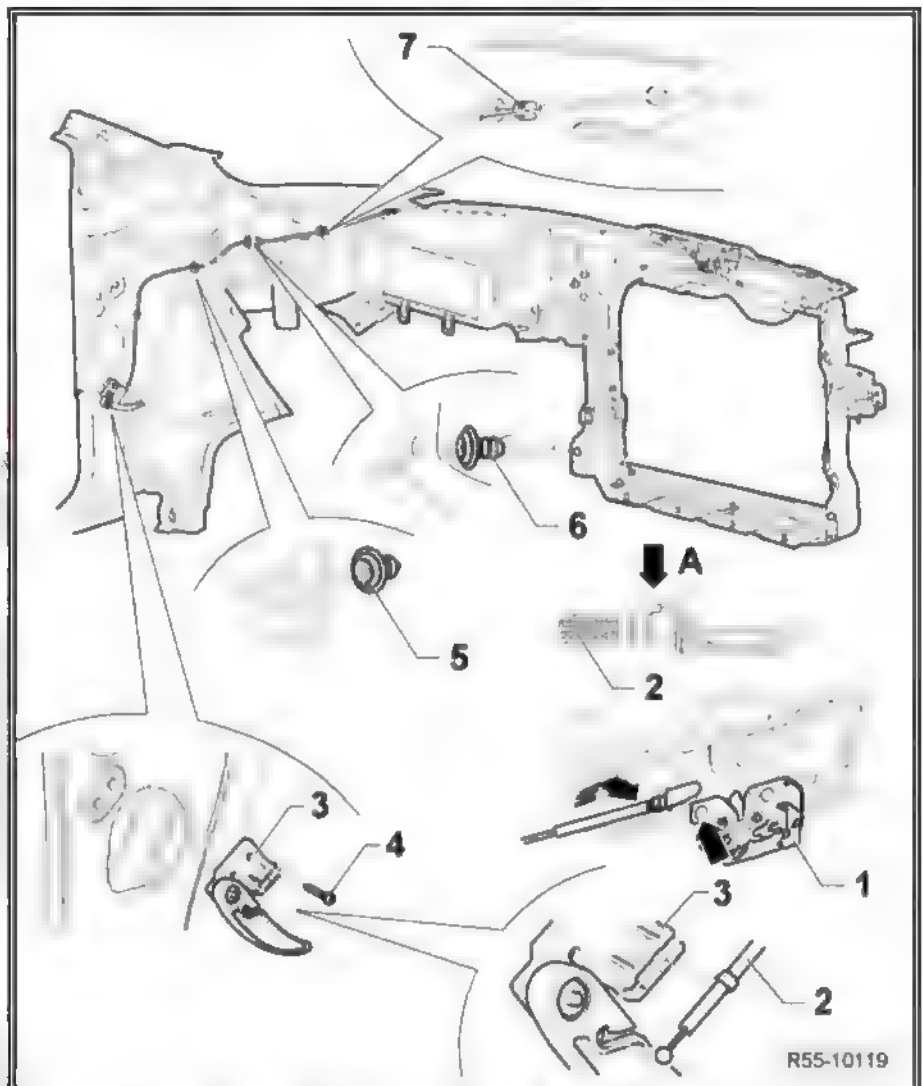
- ☐ Remove:
 - Remove pipes for windscreen washer and nozzles.
 - Loose screws -9- of front bonnet, and remove the bonnet.
- ☐ Adjust [⇒ page 18](#)





1.9 Operating cable (New Fox) - assembly overview

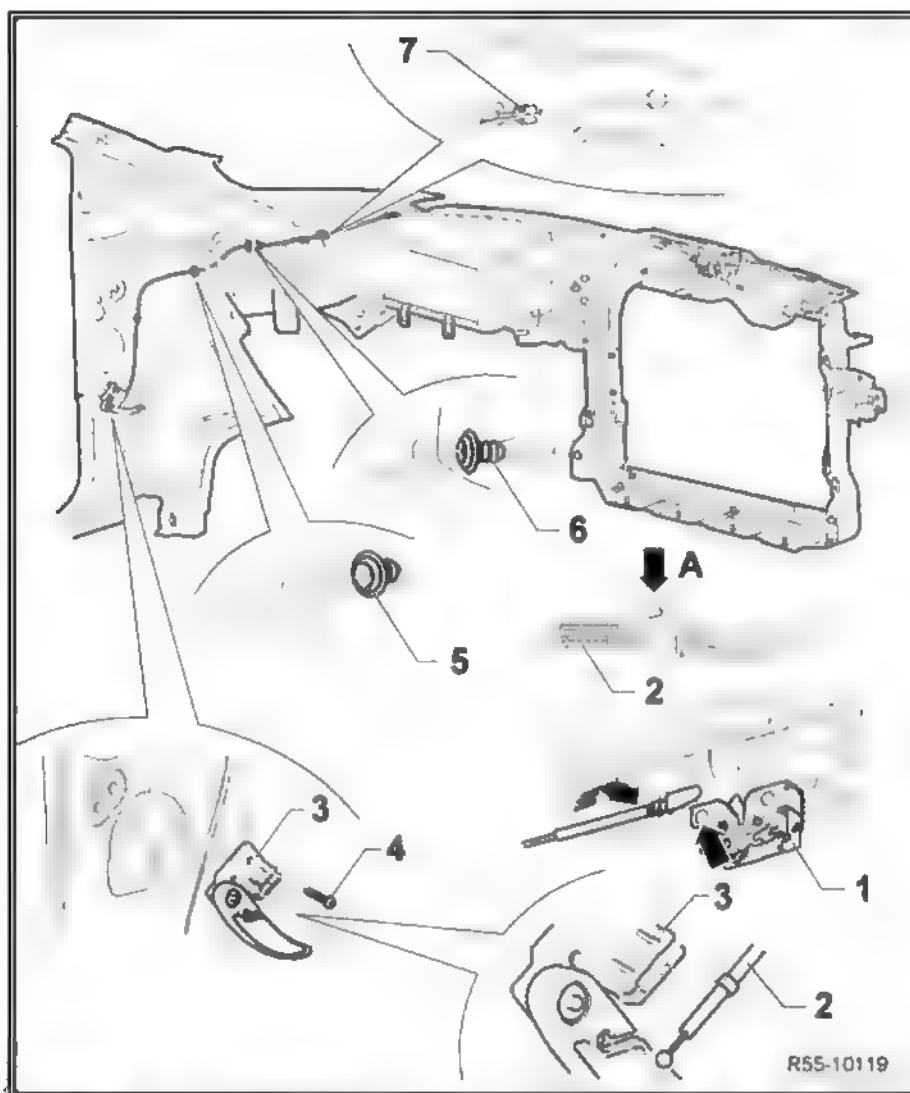
- 1 - Front bonnet latch
 - ☐ Assembly overview
→ [page 30](#)
 - ☐ Remove and install
→ [page 30](#)
- 2 - Operating cable
 - ☐ remove and install
⇒ [page 28](#)
- 3 - Activation lever
 - ☐ with support
- 4 - Screw
 - ☐ Torque: 1.5 Nm
- 5 - Sealing eyelet
 - ☐ from water deflector panel to cabin
- 6 - Sealing bellows
 - ☐ from engine compartment to water deflector panel
- 7 - Operating cable fastening clamp
 - ☐ 2-parts





1.10 Operating cable (New Fox) - remove and install

1.10.1 Remove

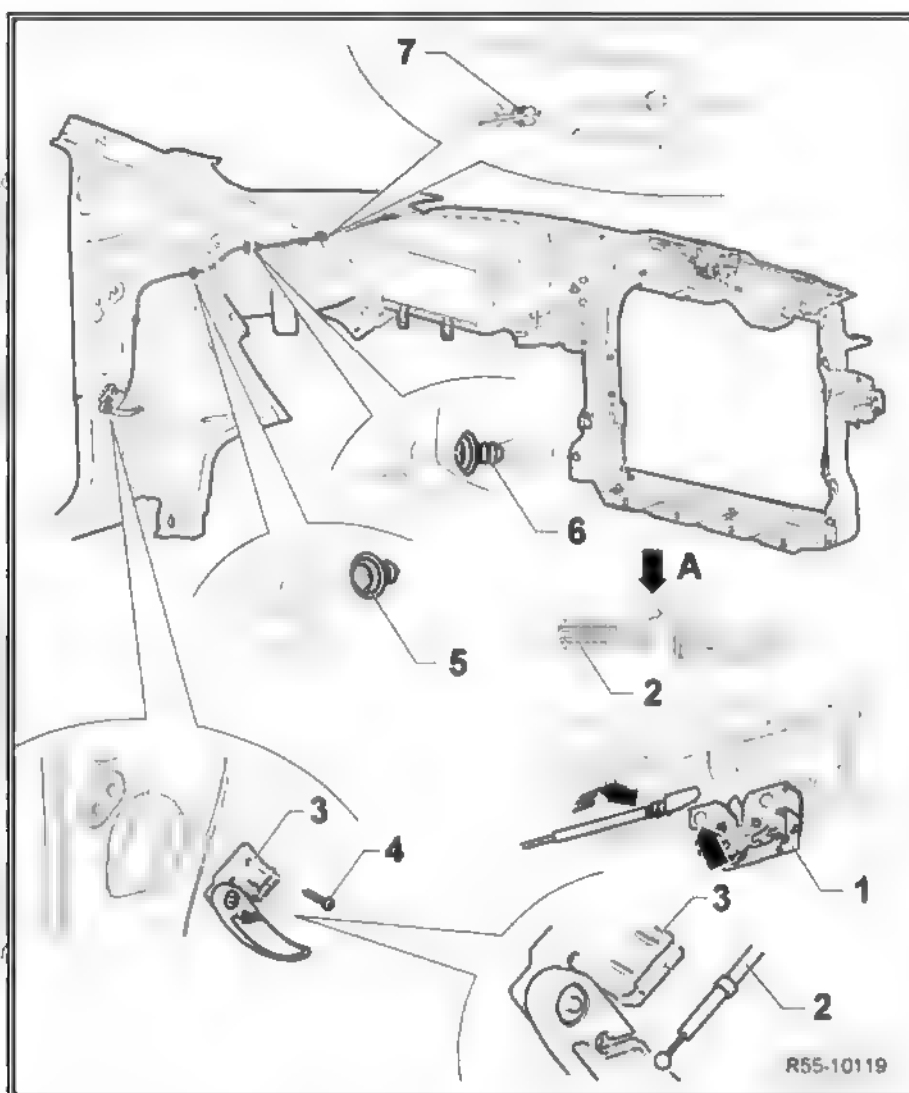


- Disengage control unit for on-board electrical system -J519- and its support. Disengage relay plate and put it aside, afterwards, remove the three screws fastening the support to the relay plate.
- Remove lower windscreen lining
- Press cable lock -2- towards arrow A- and disengage cable -2- from the ball housing in the lower latch of front bonnet -1-.
- Disengage operating cable -2- from operating cable-3- lever housing
- Remove fastening screws -4- from operating lever and disengage operating lever from A-pillar
- Pull the cable by the engine compartment side. Disengage eyelet cable -5- and -6-. Disengage clip cable -7-.



- Pull operating cable -2- in direction of engine compartment.

1.10.2 Install



Install is performed in the reverse sequence, observing the following:



Note

Check correct position of cable pass-through eyelet -5- and -6- to prevent leaks.

- Check whether the latch activation and the opening mechanism operation is OK before closing the bonnet.



1.11 Front bonnet latch and buffer (New Fox) - assembly overview

1 - Front bonnet latch safety hook

- align with buffer handle

2 - Front bonnet buffer handle

3 - Front bonnet buffer

- Remove and install
⇒ [page 32](#)

4 - Front bonnet latch

- Remove and install
⇒ [page 30](#)

5 - Screw

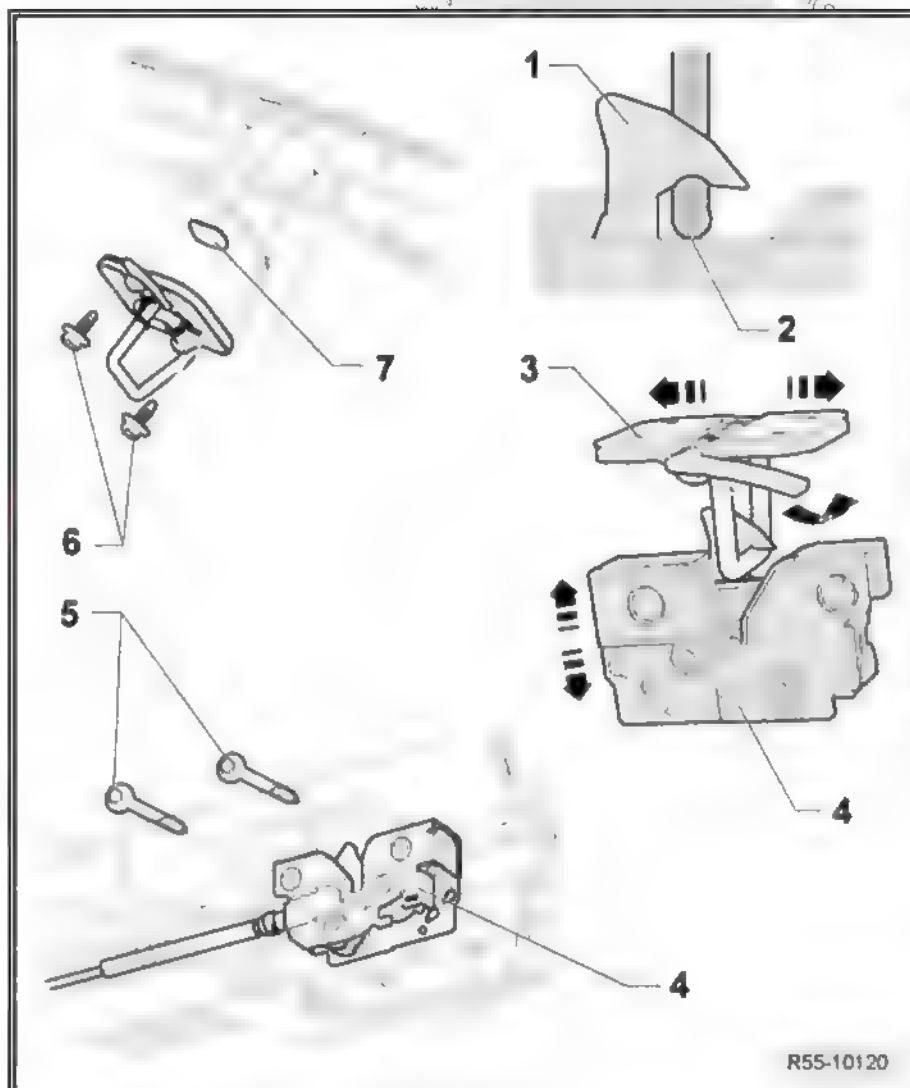
- Torque: 12 Nm

6 - Screw

- Torque: 12 Nm

7 - Protection adhesive tape

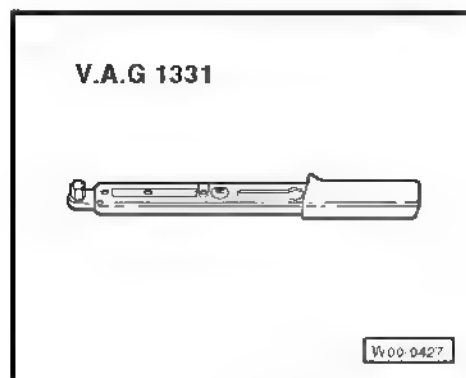
- Under no circumstances should the self-adhesive surface of the tape be touched.
- Clean the tape application area with adhesive remover -D 002 000 10- and then apply cleaning solution -D 009 401 04-



1.12 Front bonnet latch (New Fox) - remove and install

Special tools and workshop equipment required

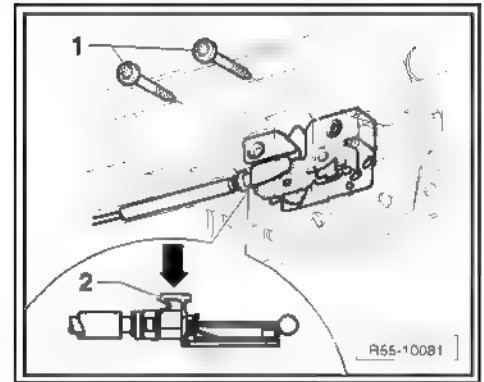
- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-



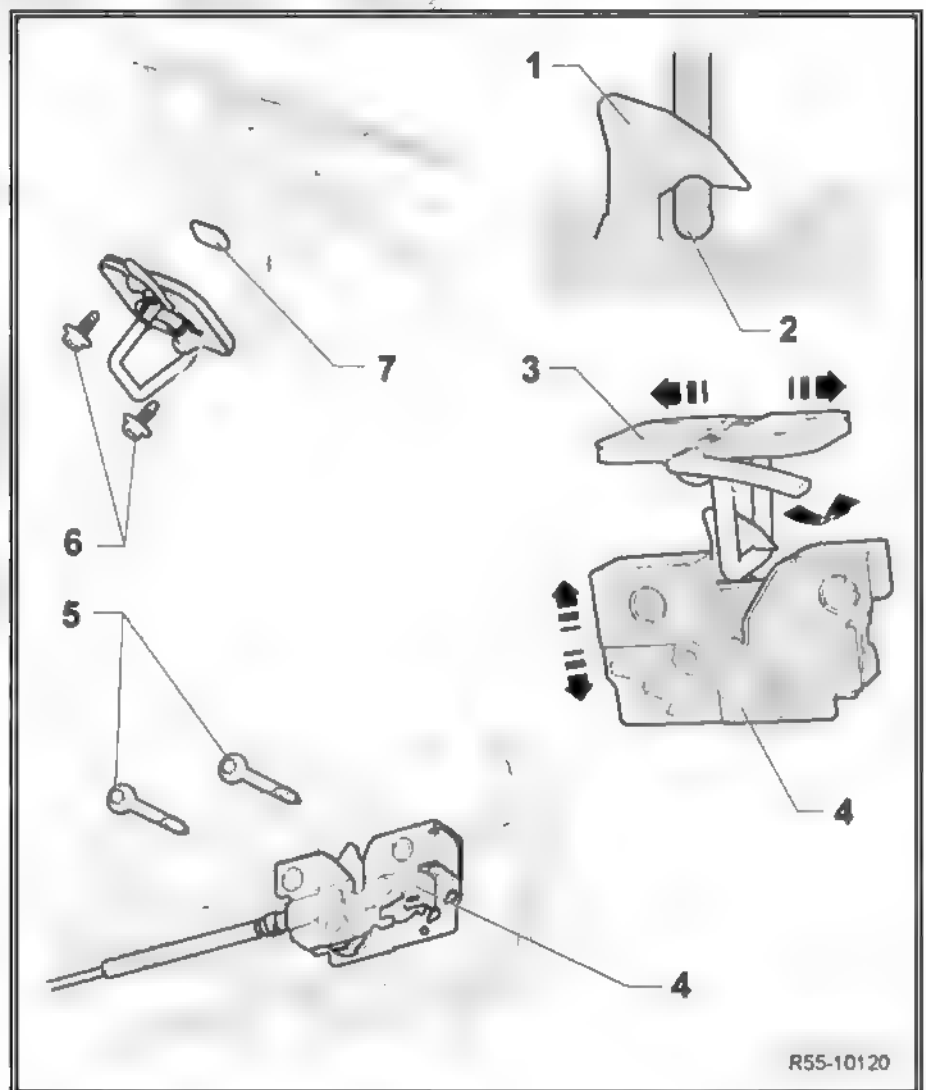


1.12.1 Remove

- Press cable lock -2- and disengage the operating cable from latch
- Remove screws -1- and remove the latch



1.12.2 Install



- Install operating cable in the latch
- Position the latch and install screws -5-. Do not tighten the screws
- Adjust the latch by the elongated holes



Note

Align buffer handle centre -1- with latch safety hook centre -2-.

- Check clearance dimensions ⇒ Body Repairs; Rep. gr. 00 , Technical data - Body clearance dimensions .
- Definitely tighten the screws.
- ◆ Torque of screws -5-: 12 Nm

1.13 Front bonnet buffer (New Fox) - remove and install

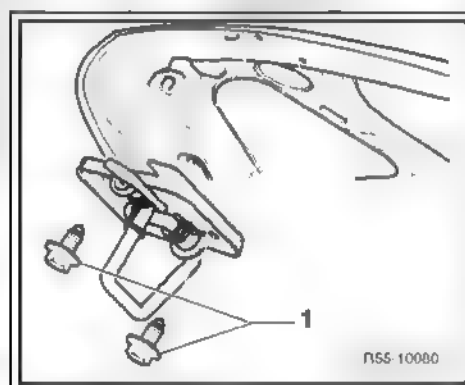
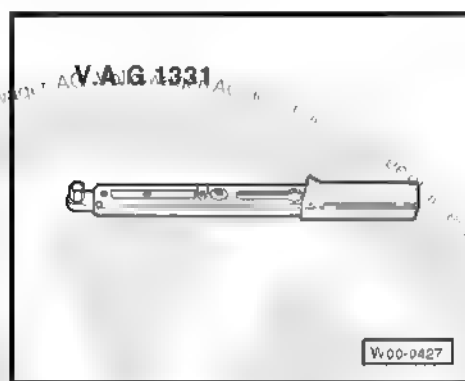
Special tools and workshop equipment required

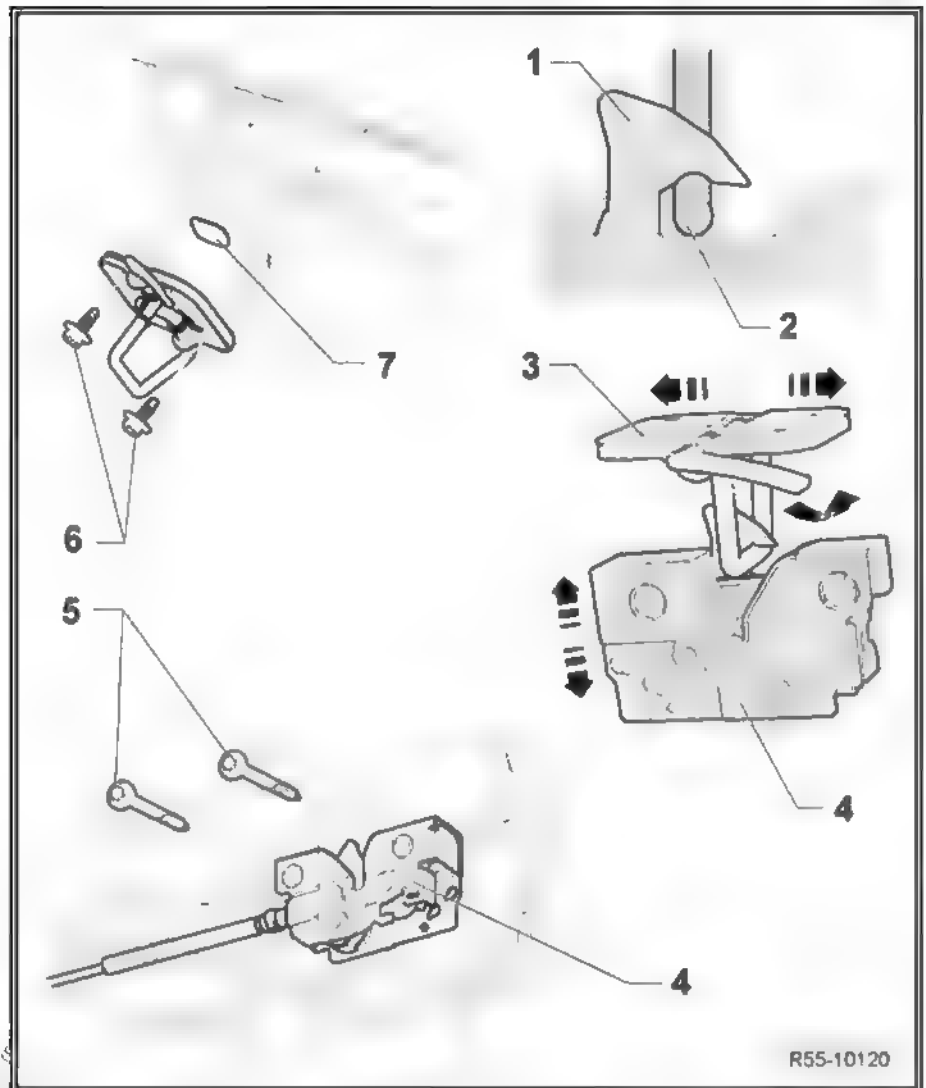
- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-

1.13.1 Remove

- Remove the screws -1-.

1.13.2 Install





- Position buffer and install screws -6-. Do not tighten the screws.
- Adjust buffer through elongated holes.



Note

Align buffer handle centre -1- with latch safety hook centre -2-.

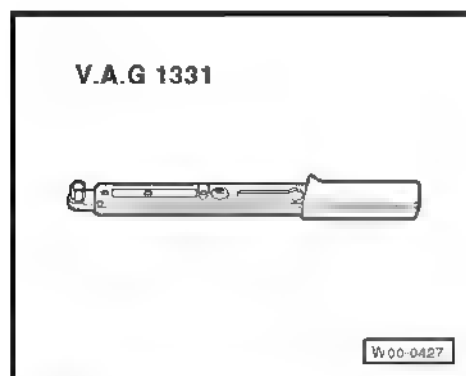
- Check clearance dimensions ⇒ Body Repairs, Rep. gr. 00 ; Technical data - Body clearance dimensions .
- Definitely tighten the screws.
- ◆ Torque of screws -6-. 12 Nm



2 Rear door

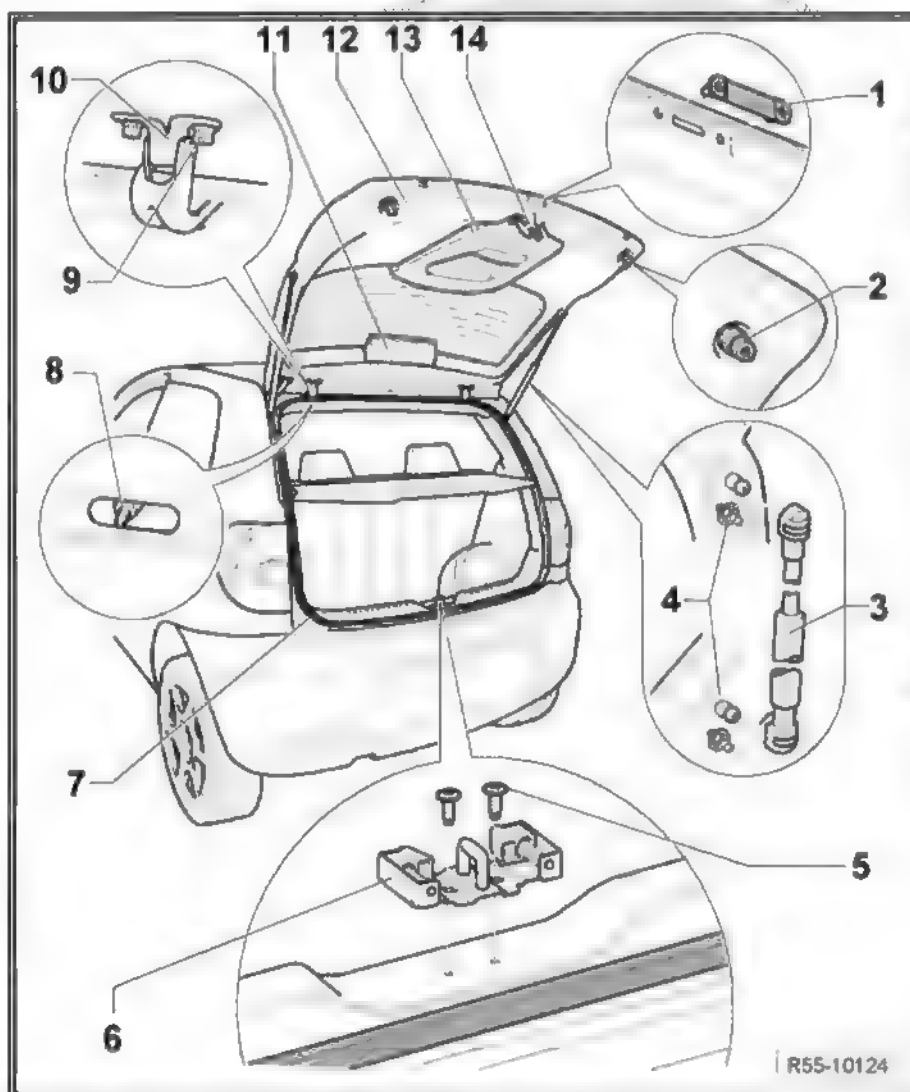
Special tools and workshop equipment required

- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-



2.1 Assembly overview

- 1 - Draining membrane
 - adjust ⇒ [page 40](#)
- 2 - Adjustment buffer
 - remove and install ⇒ [page 35](#)
 - change ⇒ [page 36](#)
 - Lubricate eyelets with lubricating grease -G 052 745 A3-, see ⇒ Chemicals Manual.
- 4 - Threaded pin
 - from chassis 94065214
 - Torque: 21 Nm
- 5 - Screw
 - 2 parts
 - Torque: 8 Nm
- 6 - Rear door buffer
 - remove rear panel lining for access ⇒ General body repairs, interior; Rep. gr. 70 ; Linings / insulations
 - adjust: through elongated holes
 - Clearance dimensions ⇒ Body Repairs; Rep gr. 00 ; Technical data - Body clearance dimensions .
- 7 - Rear door packing
 - remove and install ⇒ [page 36](#)
- 8 - Hexagonal nut
 - Torque: 24 Nm





9 - Screw

- ❑ Torque: 10 Nm

10 - Hinge

- ❑ remove and install ➔ [page 39](#)

11 - Additional brake light

- ❑ remove and install ➔ Electrical equipment; Rep. gr. 94 , Switches, lights, and external lamps .

12 - Rear door

- ❑ Remove and install ➔ [page 38](#)
- ❑ adjust ➔ [page 40](#)
- ❑ Clearance dimensions ➔ Body Repairs; Rep. gr. 00 ; Technical data - Body clearance dimensions.

13 - Lining

- ❑ remove and install ➔ General body repairs, interior; Rep. gr. 70 ; Linings / insulations

14 - Rear door latch

- ❑ remove and install ➔ [page 42](#)

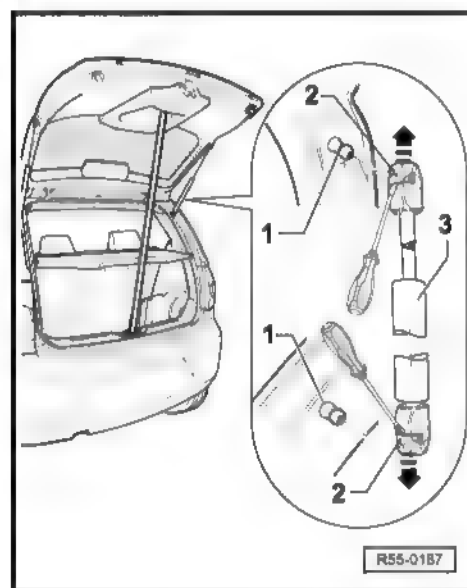
2.2 Rear door shock absorber - remove and install

- Support the rear door.
- Place a small screwdriver underneath the spring clip -2-.
- Raise the clip -2- enough to allow the clip to move over the ball joint housing in the -direction of arrow-.
- Pull the gas shock absorber -3- from the joint pins -1-.
- After removing the shock absorber -1-, move the clip -2- back immediately.



Note

Be careful when installing the shock absorber. The clip -2- cannot be completely disengaged from the ball joint housing; otherwise, it will be damaged. If the shock absorber fastening is damaged, there is the risk of accident or personal injury.





2.3 Rear door shock absorber - replace

- Fasten the gas shock absorber to the vise in area X = 50 mm



DANGER!

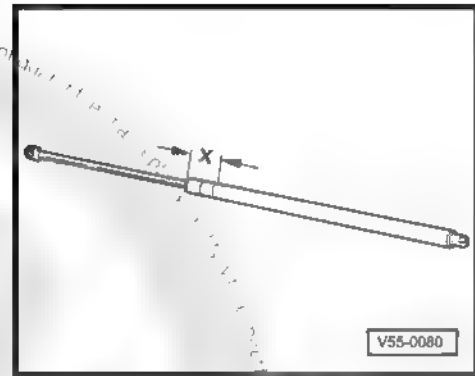
The fastening can only be performed in this area, otherwise there is risk of accident!

- Saw the gas shock absorber cylinder on the first third of its full length, from the reference corner on the plunger rod side.



Note

- ◆ *Wear safety goggles when cutting with the saw.*
- ◆ *The cutting area must be covered with a cleaning cloth.*
- ◆ *Oil and the cleaning cloth must be duly discarded.*



2.4 Rear door packing - remove and install



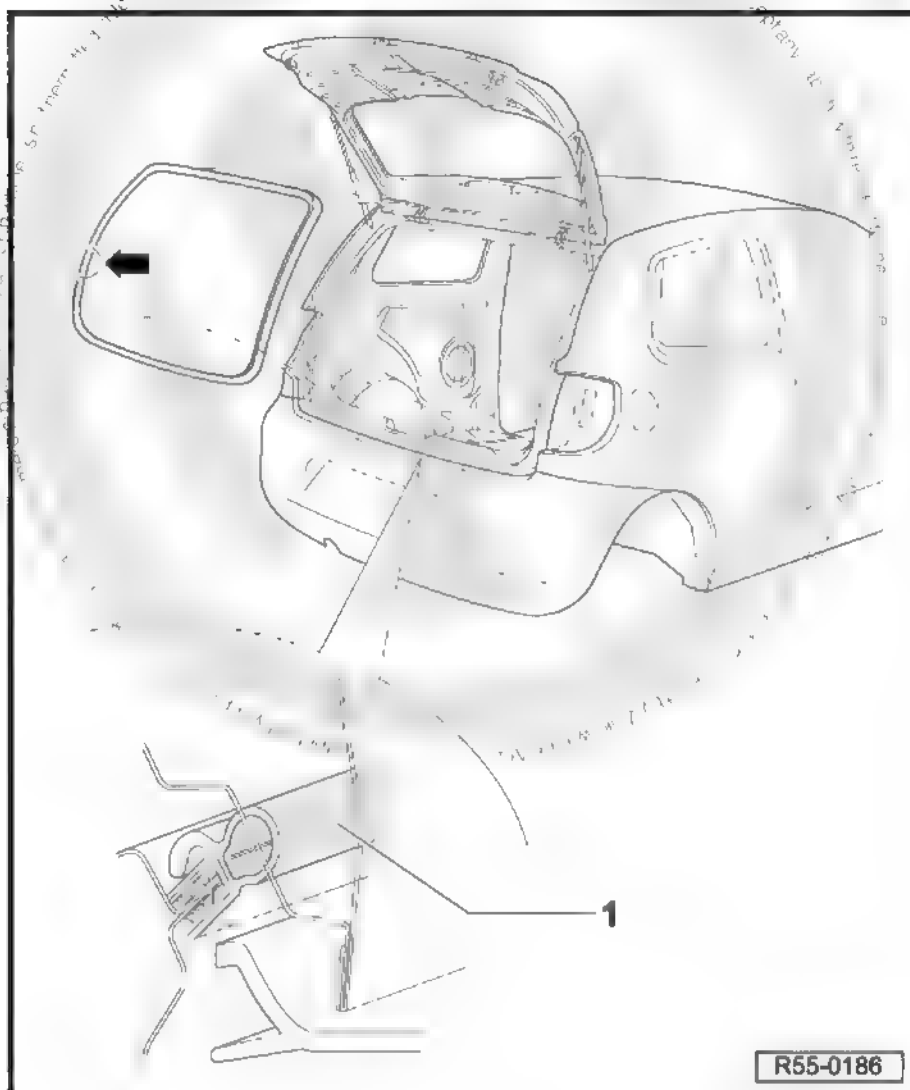
Note

- ◆ *For partially removed packing, it is necessary to press packing sides before assembly.*
- ◆ *New part installation shall be carried out by slightly tapping with a rubber hammer*



1 - Sealing packing

- start with the flange next to the left rear light to install packing -arrow-

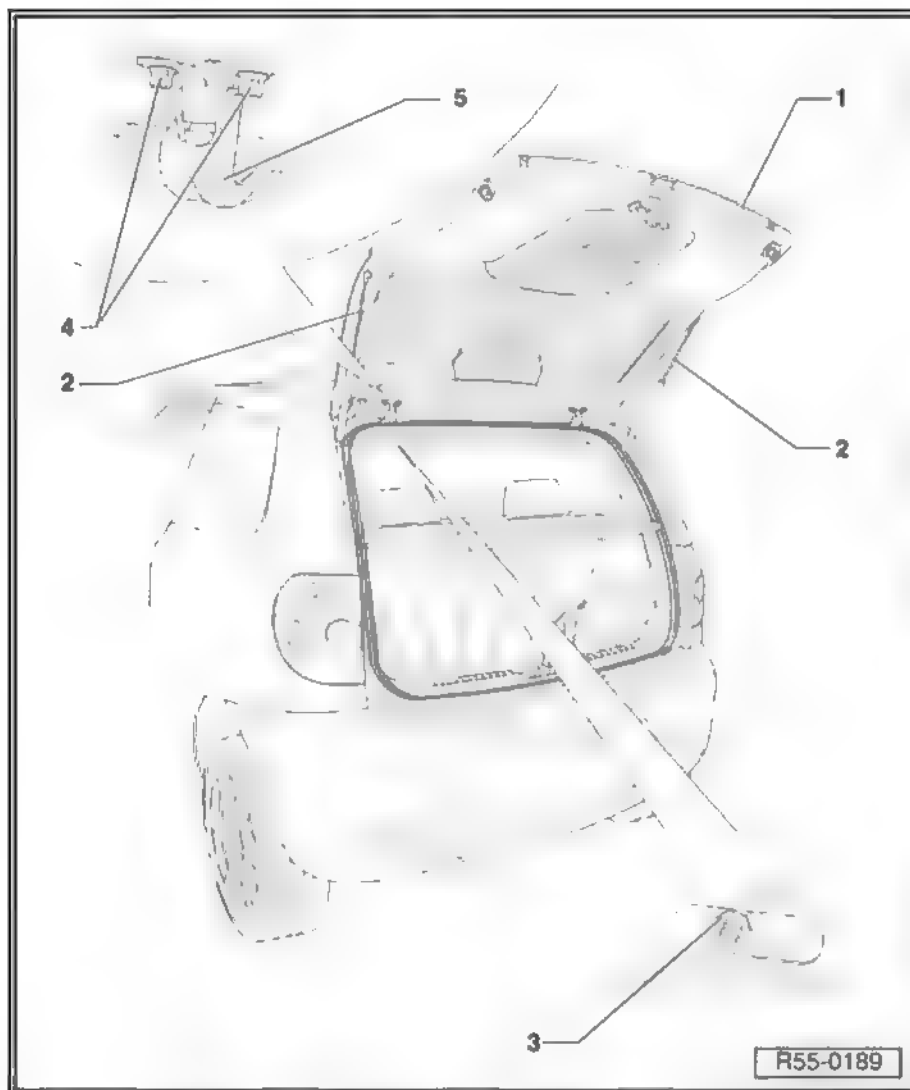


R55-0186



2.5 Rear door - remove and install

2.5.1 Remove



- Open rear door -1-.
- Remove the rear door lining ⇒ General body repairs, interior; Rep. gr. 70 ; Lining / insulation .
- Disengage electric connections and the rear window washer hose.
- Remove electric harnesses from door.
- Release the screws -4- from hinge -5-.

For the items below, you will need the help of an assistant.

- Remove the rear door shock absorber rod -2- from the rear door -1-.
- Remove the screws -4- and remove the lid

2.5.2 Install

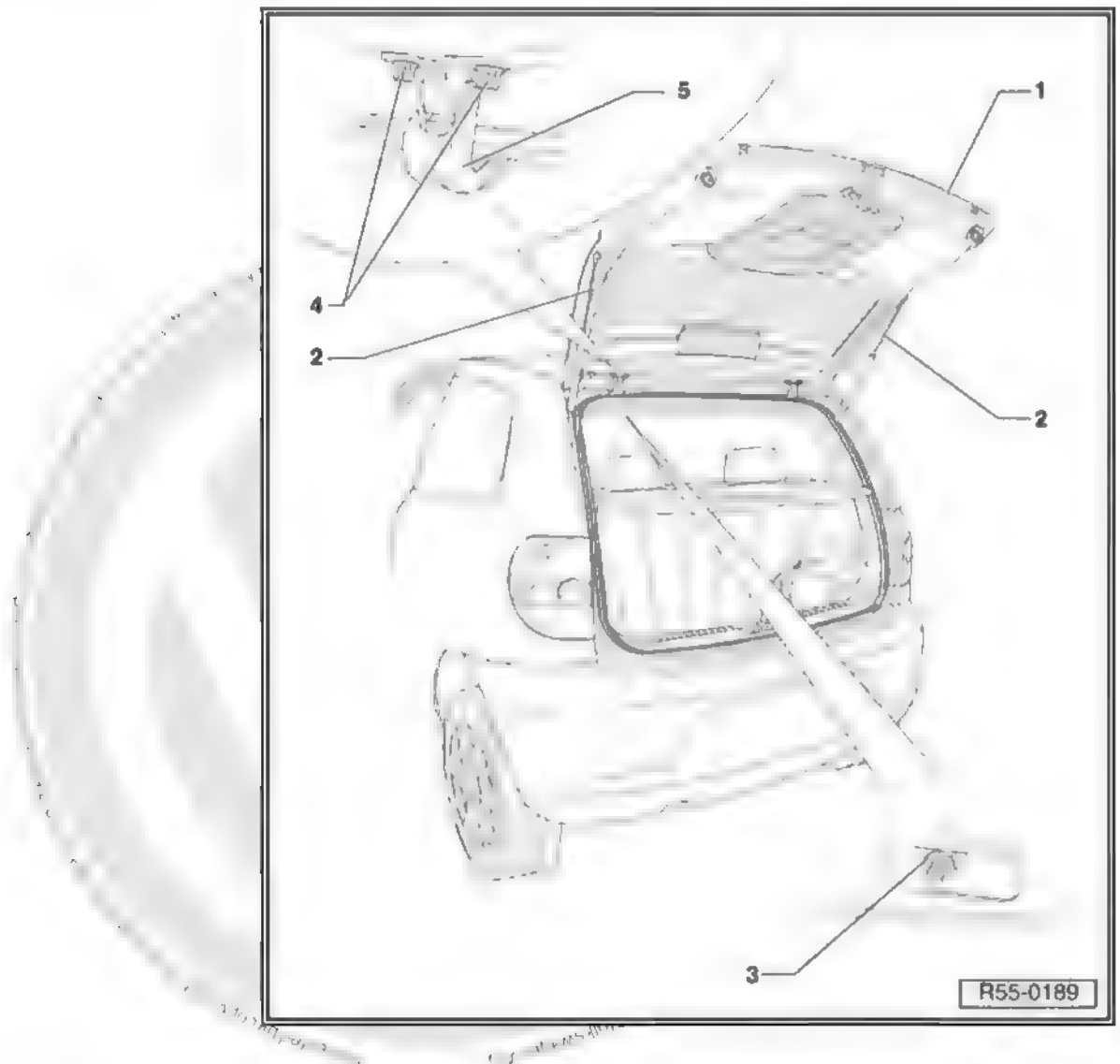
Installation is performed in the reverse sequence of the removal.



- Torque of screws: 10 Nm
- Adjust the cover ➔ [page 40](#) .
- Before closing the rear door, check rear door locking device motor operation.

2.6 Rear door hinge - remove and install

2.6.1 Remove



- Remove rear door -1-.
- Remove the pillar C lining ➔ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation .
- Lower the roof lining ➔ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation
- Remove the nut -3- that fastens the hinge to the rear roof cross member.

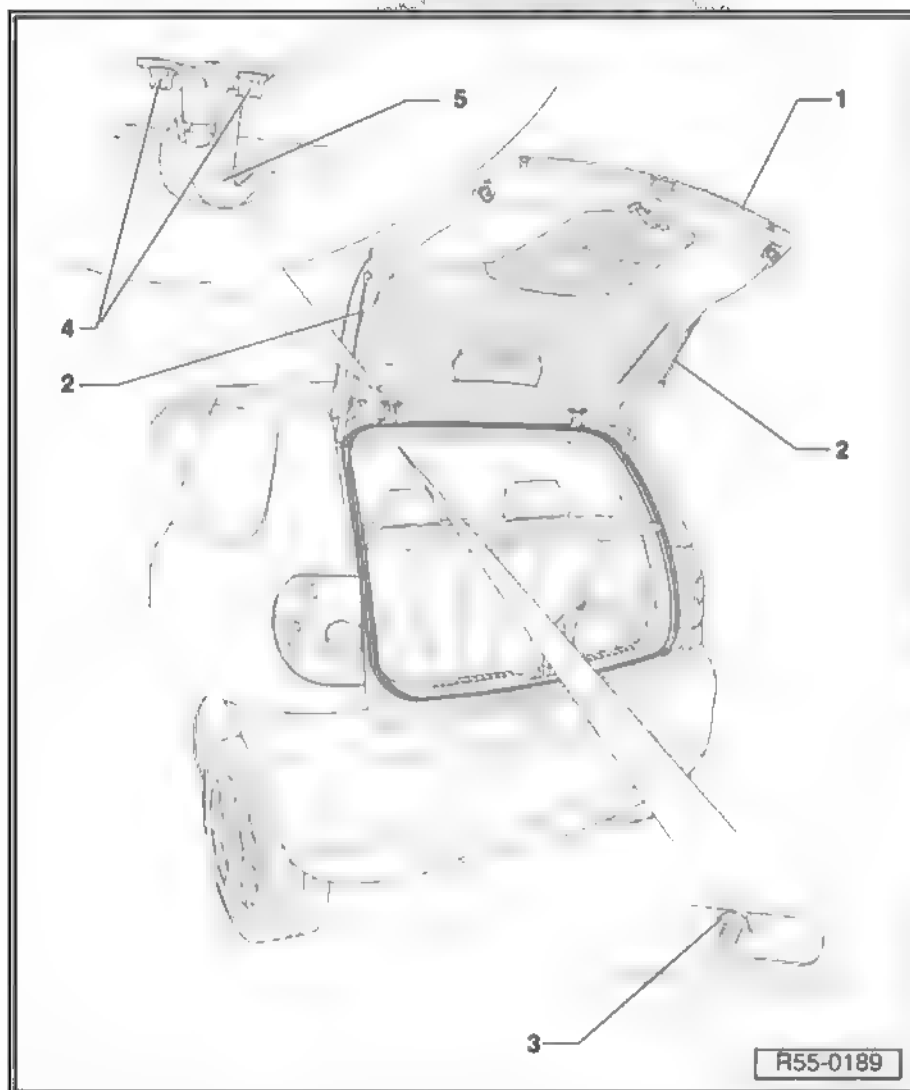


2.6.2 Install



Note

*Apply tightening torque on the nut -3- after installing the rear door
-1-.*



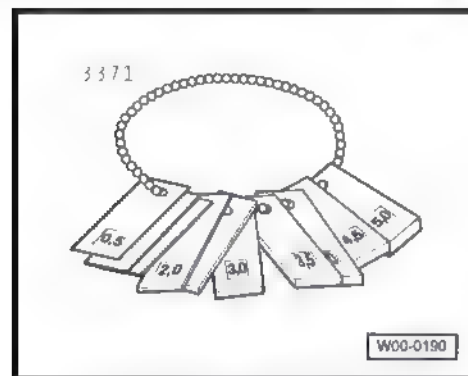
- Install the hinge -5- and tighten the nut -3- to 24 Nm.
- Install the rear door.
- Tighten the nut -3- again to tightening torque of 24 Nm.
- Install the pillar C lining ⇒ Body - Internal assembly works, Rep. gr. 70 ; Lining / insulation
- Install the roof lining ⇒ Body - Internal assembly works; Rep. gr. 70 , Lining / insulation

2.7 Rear hatch - adjust

Special tools and workshop equipment required

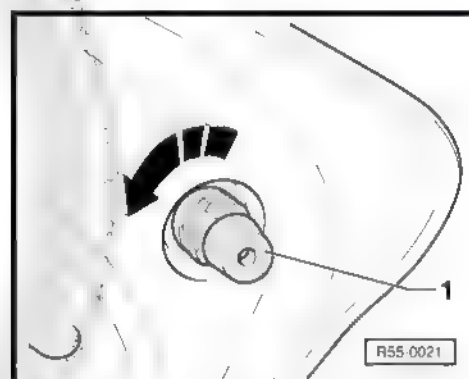


◆ Adjustment gauge -3371-



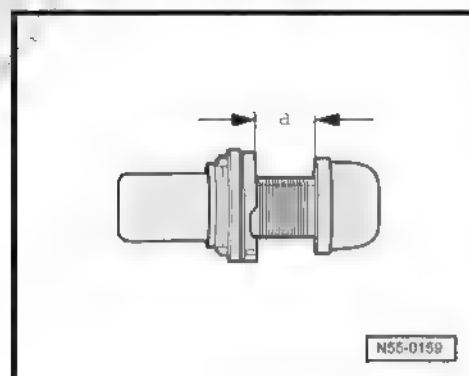
Note

- ◆ *The rear door is properly adjusted when its clearance is the same at all points when it is closed, not being too much inward or outward, and when contours match.*
- ◆ *The vehicle wheels must be on the floor so that the adjustment can be made.*
- Turn the adjustment buffer 90° with a ring spanner (SW 24) and remove it.
- Remove rubber buffer -1- from adjustment buffer and loosen fastening screw (3-mm internal hexagonal) until hitch sliding mechanism can be removed.
- Pull hitch sliding mechanism out of body and adjust with dimension a = 12.5 mm.



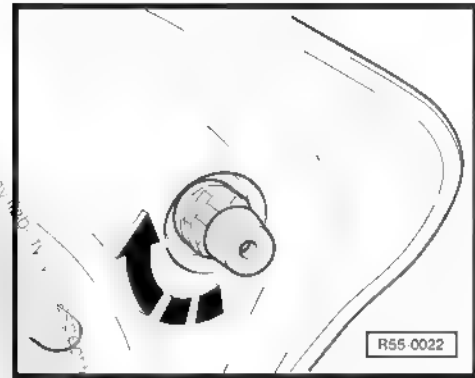
Note

A new adjustment buffer is already adjusted on a 12.5 mm distance.





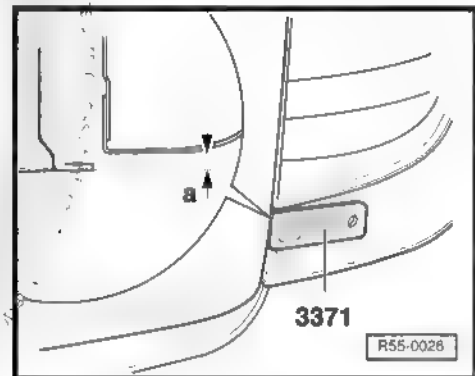
- Place adjustment buffer and assemble in the sectional hole with a 90° turn.
- Close rear door until preliminary lock by slightly pressing its central section.



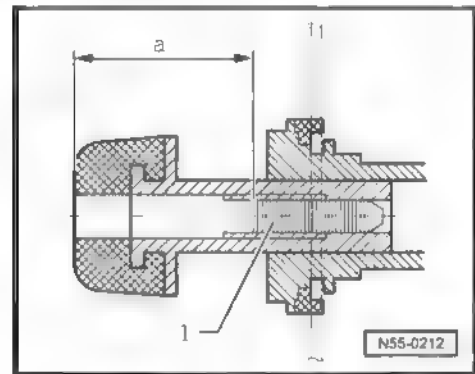
Adjust a 3-mm clearance dimension between the door and the side panel with the adjustment gauge -3371-.

Open the rear door again.

Now the door is already adjusted with pre-tension of approx. 3 mm.



- Screw fastening screw -1- to a = 25 mm.
- Check adjustment.



2.8 Rear door latch (Fox, ▶ 12.04) - remove and install

2.8.1 Vehicles without central locking



1 - Screw

- ☐ Torque: 8 Nm

2 - Rear door

3 - Connector

4 - Lock cylinder housing

- ☐ Remove:
 - Remove door latch
⇒ [Item 7 \(page 43\)](#) .
 - Press latch plastic cover
a little aside and remove
fastening screw
⇒ [Item 6 \(page 43\)](#)
from lock cylinder hous-
ing.
 - Remove lock cylinder
housing from door latch.
- ☐ Install:
 - Join lock cylinder hous-
ing and door latch (at-
tention to locking).
 - Screw fastening screw
⇒ [Item 6 \(page 43\)](#) of
lock cylinder housing.
 - Install door latch
⇒ [Item 7 \(page 43\)](#) .

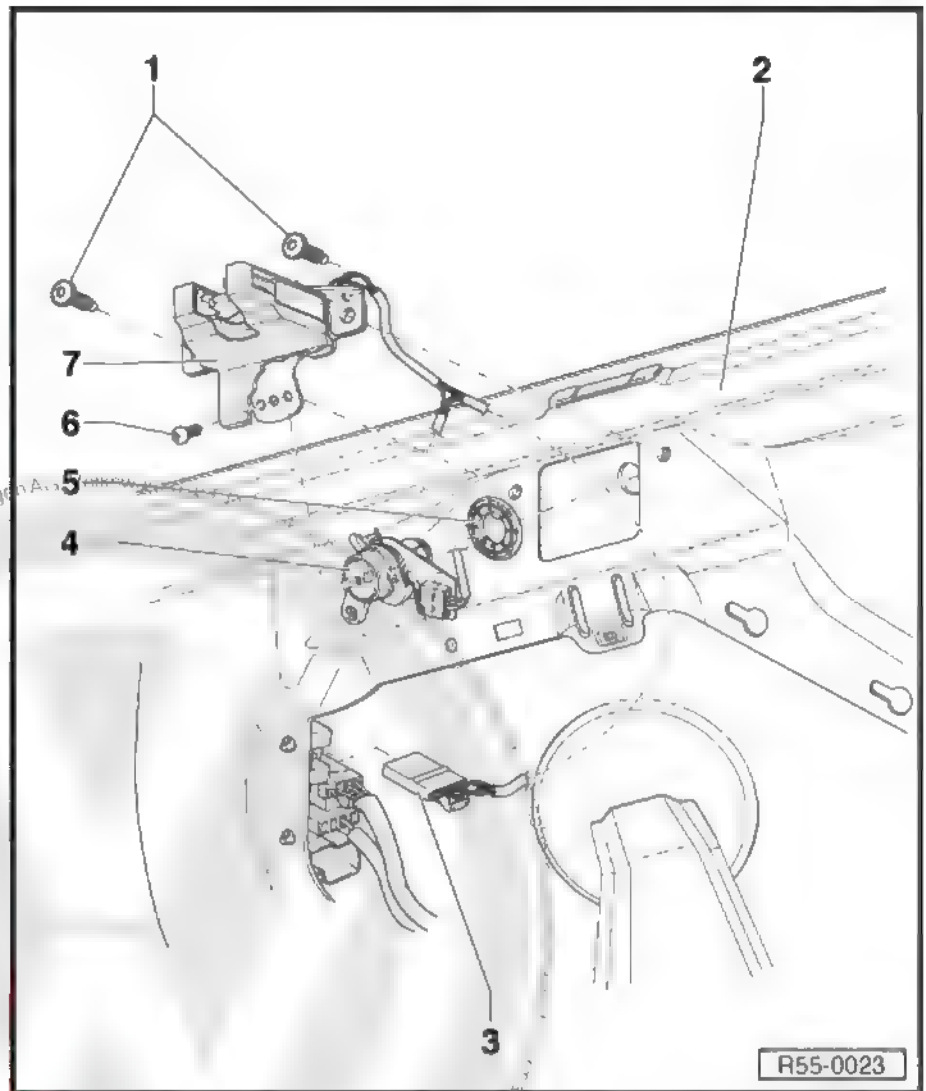
5 Sealing ring

6 Screw

- ☐ Torque: 3 Nm

7 - Latch

- ☐ remove:
 - Remove the rear door lining ⇒ Body - Internal assembly works: Rep. gr. 70 ; Lining / insulation
 - Disconnect connector ⇒ [Item 3 \(page 43\)](#) -3-.
 - Remove screws ⇒ [Item 1 \(page 43\)](#) -1- and remove latch with lock cylinder housing
⇒ [Item 4 \(page 43\)](#) out of door.
- ☐ Install - only if rotating part is engaged





2.8.2 Vehicles with central locking

1 - Screw

- ☐ Torque: 8 Nm

2 - Rear door

3 - Screw

- ☐ Torque: 3 Nm

4 - Connector

5 - Rear door unlocking motor -V139-

- ☐ Remove:

- Remove the rear door lining ⇒ Body Internal assembly works; Rep. gr. 70 ; Lining insulation

- Loosen some of the screws' thread steps ⇒ [Item 3 \(page 44\)](#) -3-

- Move motor over the rear door plate elongated holes, and remove it.

- Disengage inversion lever ⇒ [Item 6 \(page 44\)](#) -6-

- ☐ Install - reverse sequence

6 - Inversion lever

7 - Connector

8 - Bushing

- ☐ replace if necessary

9 - Lock cylinder housing

- ☐ Request

- ☐ Remove:

- Remove door latch ⇒ [Item 12 \(page 45\)](#) -12-

- Press latch plastic cover a little aside and remove fastening screw ⇒ [Item 11 \(page 44\)](#) -11- from lock cylinder housing.

- Remove lock cylinder housing from door latch.

- ☐ Install.

- Join lock cylinder housing and door latch (attention to locking).

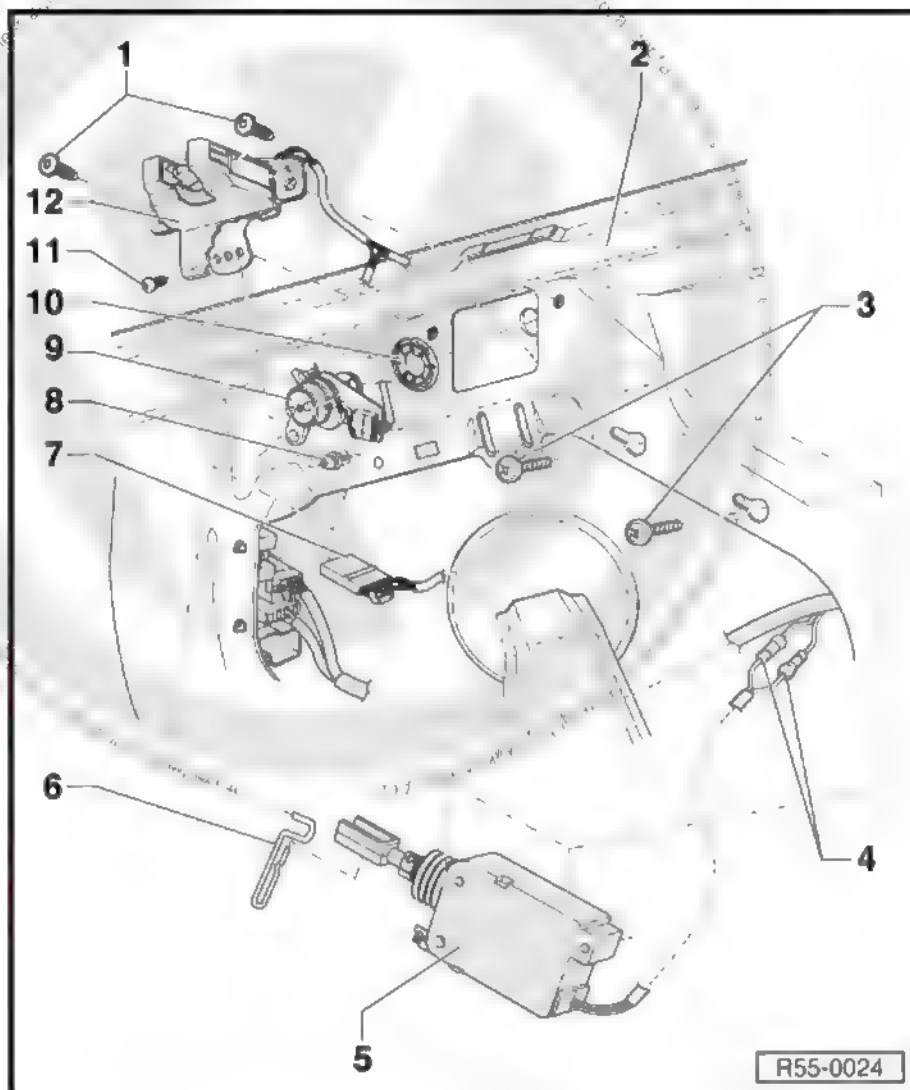
- Tighten fastening screw ⇒ [Item 11 \(page 44\)](#) -11- of lock cylinder housing.

- Install door latch ⇒ [Item 12 \(page 45\)](#) -12-

10 - Sealing ring

11 - Screw

- ☐ Torque: 3 Nm





12 - Latch

☐ Remove:

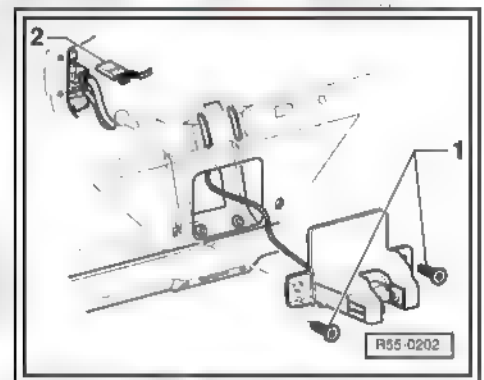
- Remove the rear door lining ➤ Body - Internal assembly works; Rep. gr. 70 ; Lining / Insulation - Boot and luggage compartment lining
- Disconnect connector ➤ [Item 7 \(page 44\)](#) -7-.
- Loosen screws ➤ [Item 1 \(page 44\)](#) -1-.
- Disengage inversion lever ➤ [Item 6 \(page 44\)](#) -6- and remove latch with lock cylinder housing ➤ [Item 9 \(page 44\)](#) -9- out of door.

☐ install - only if rotating part is engaged

2.9 Rear door latch (Fox, 01.05 ➤) - remove and install

2.9.1 Remove

- Remove the rear door lining ➤ Body - Internal assembly works; Rep. gr. 70 ; Lining / Insulation - Boot and luggage compartment lining
- Disconnect the connector -2- of the luggage compartment switch -F5- .
- Remove the screws -1-.
- Remove the latch along with the luggage compartment lighting switch -F5- harness



2.9.2 Install

- Installation is performed in the reverse sequence of the removal.

2.10 Rear door latch (New Fox) - remove and install

Special tools and workshop equipment required

- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-

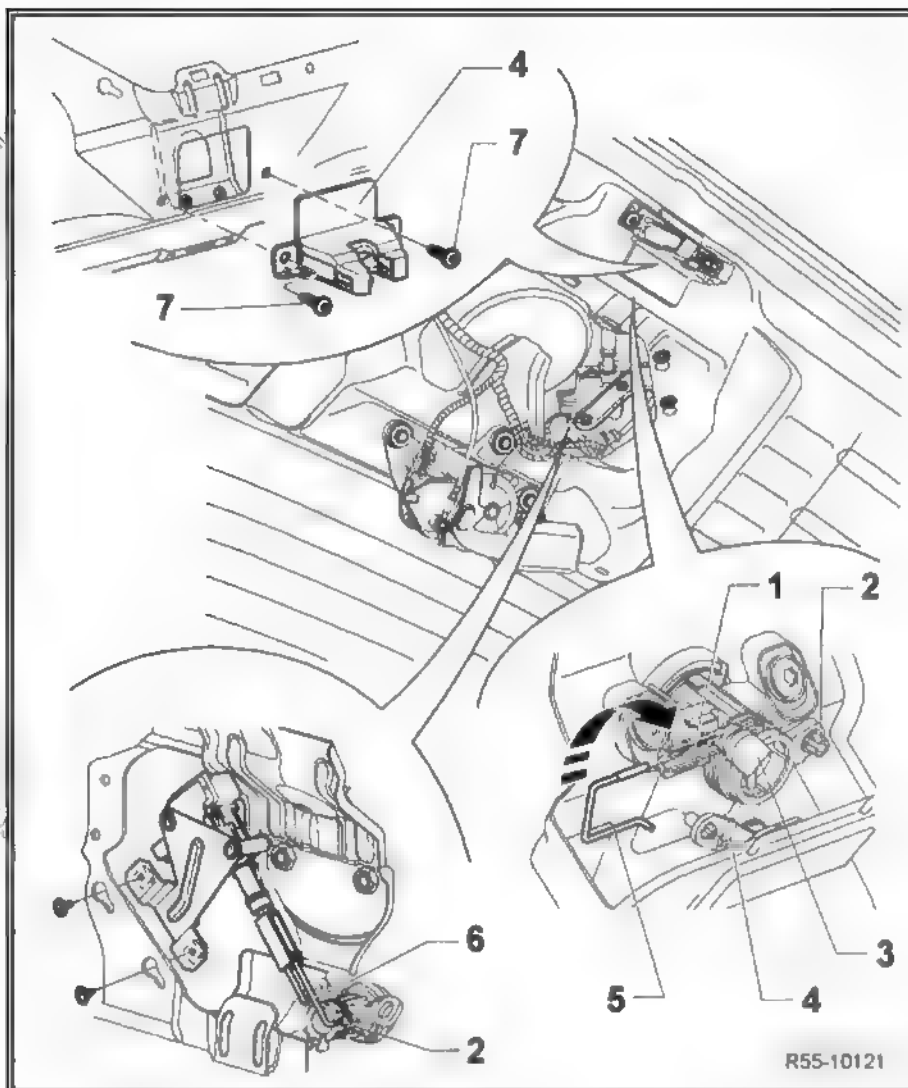
V.A.G 1331



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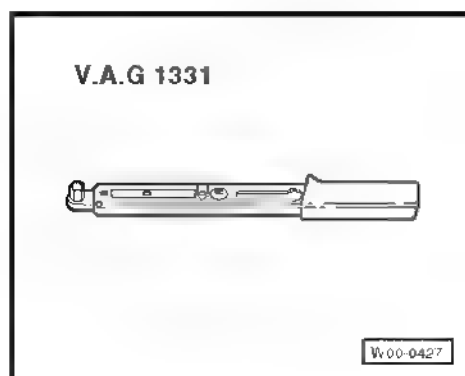
- 1 - Operating clip
- 2 - Bushing
 - ☐ replace if necessary
- 3 - Latch cylinder
 - ☐ disassemble
 - ☐ remove and install
- 4 - Rear door latch
 - ☐ Remove
 - Remove the rear door lining ⇒ General body repairs, interior; Rep. gr. 70 ; Lining / insulation
 - Disengage rod -6- from bushing -2-
 - Unlock operating clip -1- and disengage latch operating rod -5-
 - Disconnect luggage compartment lighting switch -F5- harness
 - Remove screws -7- and remove the latch.
 - ☐ Install
 - Installation is performed in the reverse sequence of the removal.
- 5 - Latch operating rod
- 6 - Operating rod for Rear door unlocking motor -V139-
- 7 - Screw
 - ☐ Torque: 8 Nm



2.11 Rear door latch cylinder handle (Fox, Push Button - 01.05 ▶) - remove and install

Special tools and workshop equipment required

- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-





- 1 - Handle lock
- 2 - Switch support
- 3 - Coupling
- 4 - Screw
- 5 - Bracing
- 6 - Key
- 7 - Cylinder
- 8 - Handle

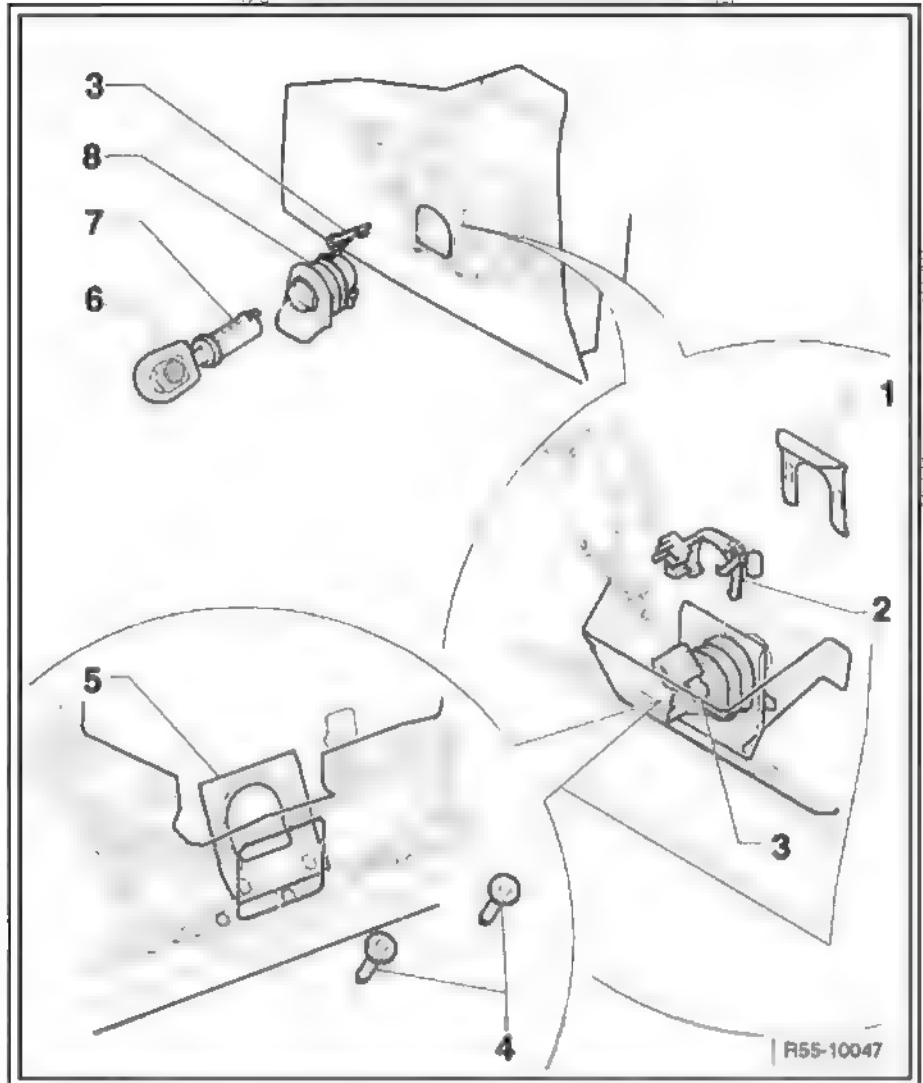
☐ Remove

- Remove the rear door lining ⇒ General body repairs, interior; Rep. gr. 70 ; Lining / insulation .
- Disengage operating rod -3- from cylinder switch.
- Remove handle lock -1-.
- Disengage and remove the handle.

☐ Install

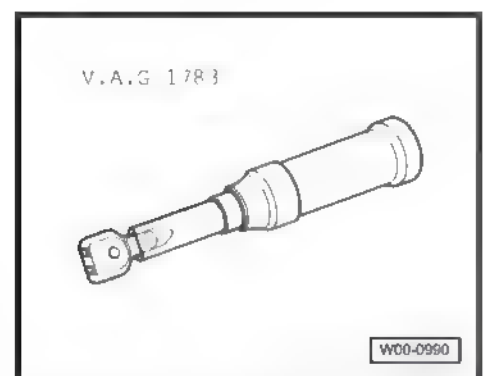
- Installation is performed in the reverse sequence of the removal.

9 - Device motor operating rod fastening



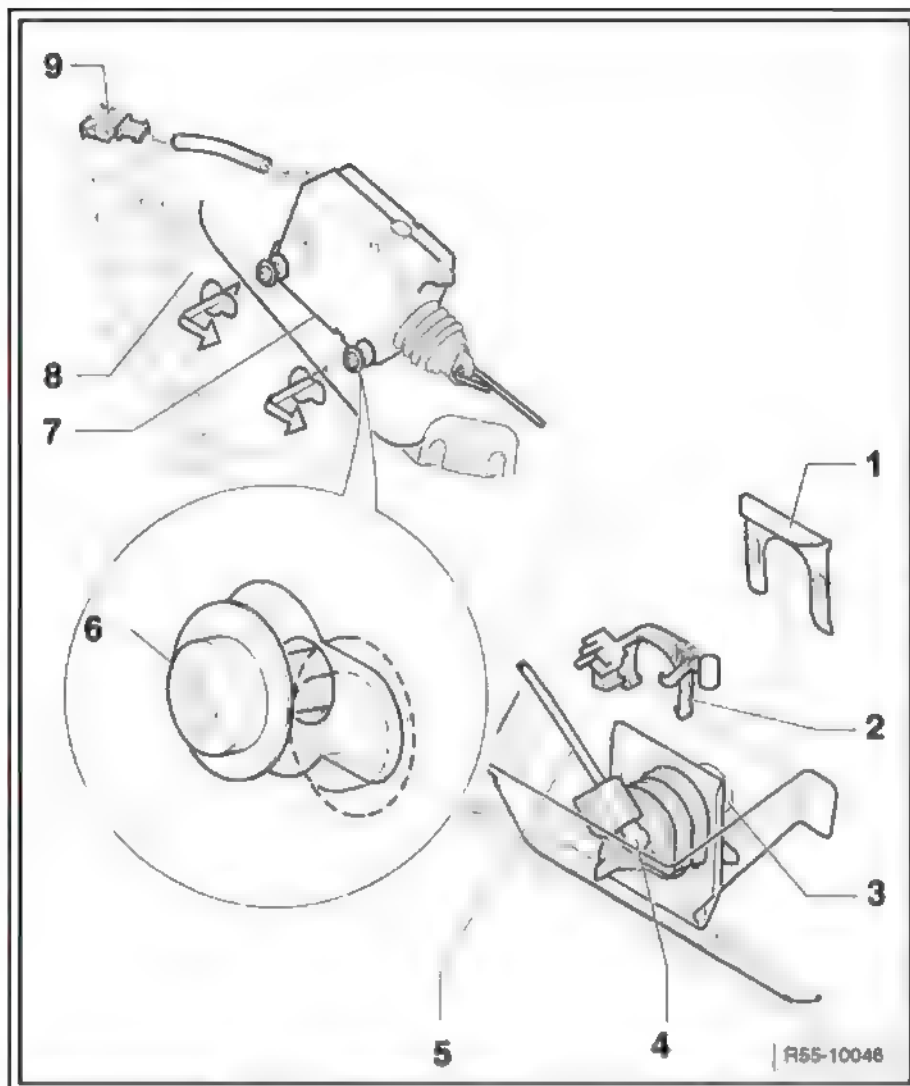
2.12 Rear door unlocking motor -V139- (Fox , Push Button - 01.05 ▶) - remove and install

Torque wrench 2 to 10 Nm -VAG 1783-





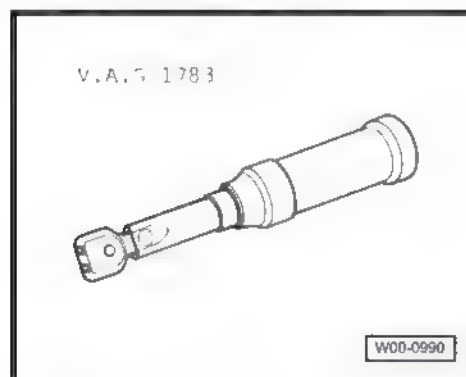
- 1 - Handle lock
- 2 - Support
- 3 - Door handle
 - ☐ remove and install
→ [page 46](#)
- 4 - Coupling
- 5 - Operating rod
- 6 - Screw
 - ☐ Torque: 2.5 Nm
- 7 - Rear door unlocking motor -V139-
 - ☐ Remove
 - Remove the rear door lining ⇒ General body repairs, interior; Rep. gr. 70 ; Lining / insulation .
 - Loosen screws
⇒ [Item 6 \(page 48\)](#) -6-.
 - Move motor over the rear door plate elongated holes, and remove it.
 - ☐ Disengage coupling rod
⇒ [Item 3 \(page 48\)](#) -3-.
 - ☐ Install
 - Installation is performed in the reverse sequence of the removal.
- 8 - Internal panel of the rear lid
- 9 - Harness connector



2.13 Rear door unlocking motor -V139- (New Fox) - remove and install

Special tools and workshop equipment required

- ◆ Torque wrench 2 to 10 Nm -VAG 1783-



 Remove

- 

- 2 - Operating rod

3-

4 - Bushing

-  replace if necessary

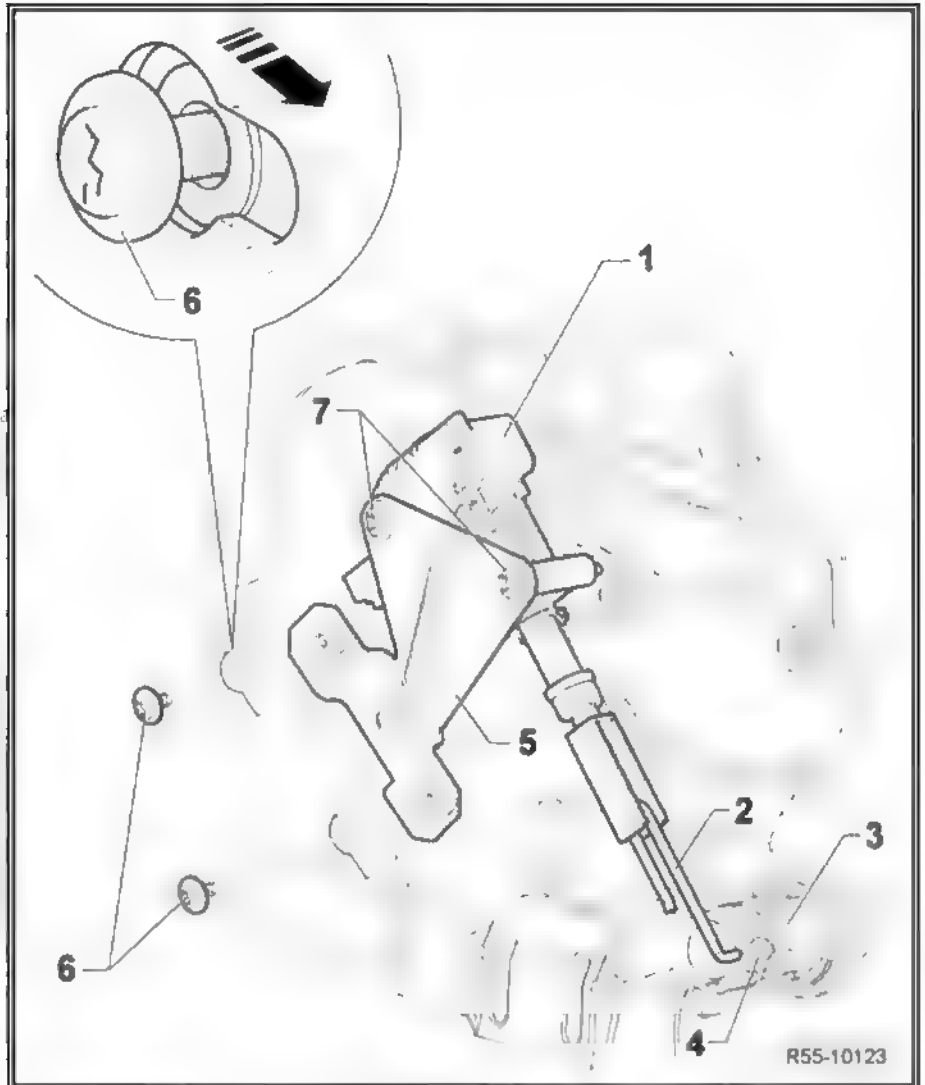
5 - Engine support

6 - Screw

- ☐ Torque: 2.5 Nm

7 - Screw

- Torque $\leq 1.5 \text{ Nm}$





2.14 Lock cylinder (Fox, Push Button - 01.05 ➤) - general overview of assembly

1 - Cylinder guide

2 - Spring

3 - Limiter

4 - Retaining ring

5 - Actuator

- ☐ without locking system
- ☐ fastened by lock -26-.

6 - Actuator

- ☐ for motor for unlocking rear door. -V139-
- ☐ fastened by lock -26-.

7 - Roller

- ☐ for motor for unlocking rear door. -V139-

8 - Spring

- ☐ for motor for unlocking rear door. -V139-

9 - Coupling

- ☐ for motor for unlocking rear door. -V139-

10 - Actuator

- ☐ for motor for unlocking rear door. -V139-

11 - Circlip

- ☐ for motor for unlocking rear door. -V139-

12 - Actuator

- ☐ for motor for unlocking rear door. -V139-

13 - Return spring

- ☐ for motor for unlocking rear door. -V139-

14 - Spring

15 - Roller

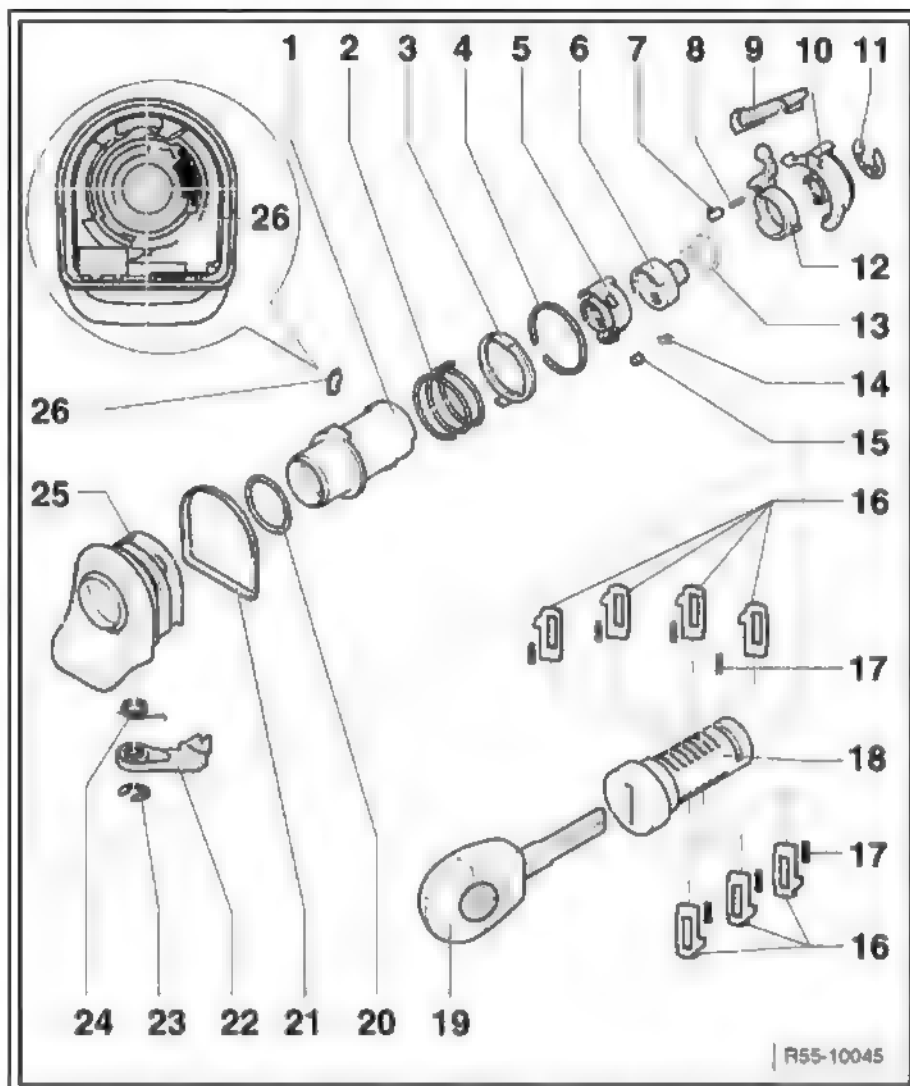
16 - Gorges

- ☐ Lubricate with -G 000 450 02-

17 - Spring

18 - Cylinder

- ☐ Lubricate with -G 000 450 02-
- ☐ remove and install ➤ [page 51](#)



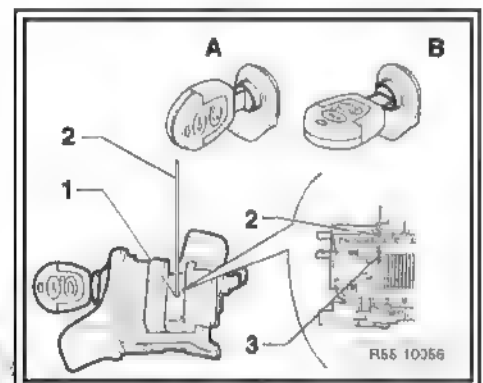


- 19 - Key
- 20 - Ring
- 21 - Sealing packing
- 22 - Lever
- 23 - Circlip
- 24 - Spring
- 25 - Handle
- 26 - Lock

2.15 Lock cylinder (Fox , Push Button - 01.05 ►) - remove and install

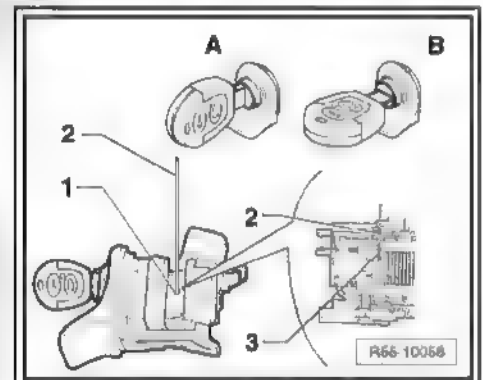
2.15.1 Remove

- Remove handle ⇒ [page 46](#) .
- Insert the key in the cylinder.
- Place key in position -B-.
- Press cylinder and insert a shim in order to access hole -1-.
- With a steel pin -2-, press cylinder lock -3-.
- Remove the cylinder along with key, slowly and carefully turning cylinder left and right.



2.15.2 Install

- Insert cylinder with key in position -A-.
- Press cylinder against the handle until locking -3-.





2.16 Latch cylinder (New Fox) - assembly overview

1 - Key passage slot in cylinder

2 - Sealing ring

- ☐ fastened to the support
-7-

3 - Cylinder sealing ring

4 - Cylinder

- ☐ Lubricate with -G 000
450 02-

5 - Gorges

- ☐ Lubricate with -G 000
450 02-

6 - Spring

7 - Sealing ring support

8 - Cylinder housing

9 - Elastic pin

10 - Return spring

11 - Actuator

- ☐ locking system
- ☐ fastened by the elastic
pin -9-.

12 - Clip

13 - Bushing

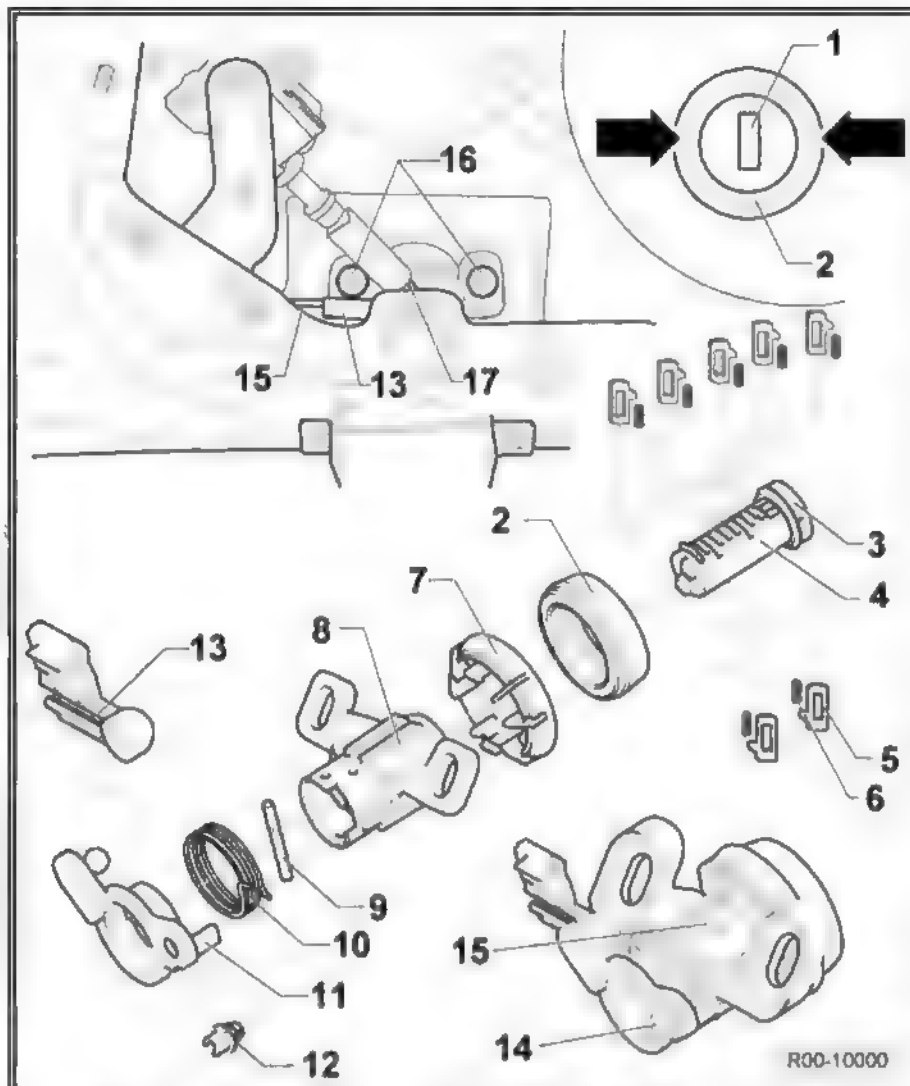
14 - Cylinder with assembled
housing

15 - Latch operating rod

16 - Screw

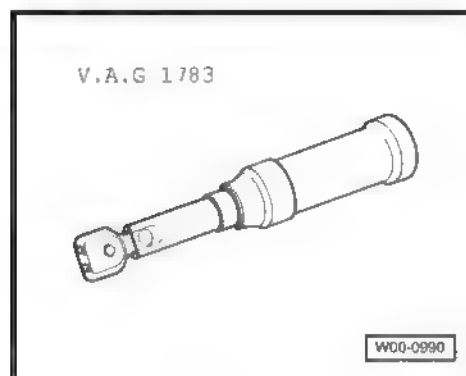
- ☐ 2 parts
- ☐ Torque: 8 Nm

17 - Operating rod for rear door unlocking motor -V139-



2.17 Latch cylinder (New Fox) - remove and install

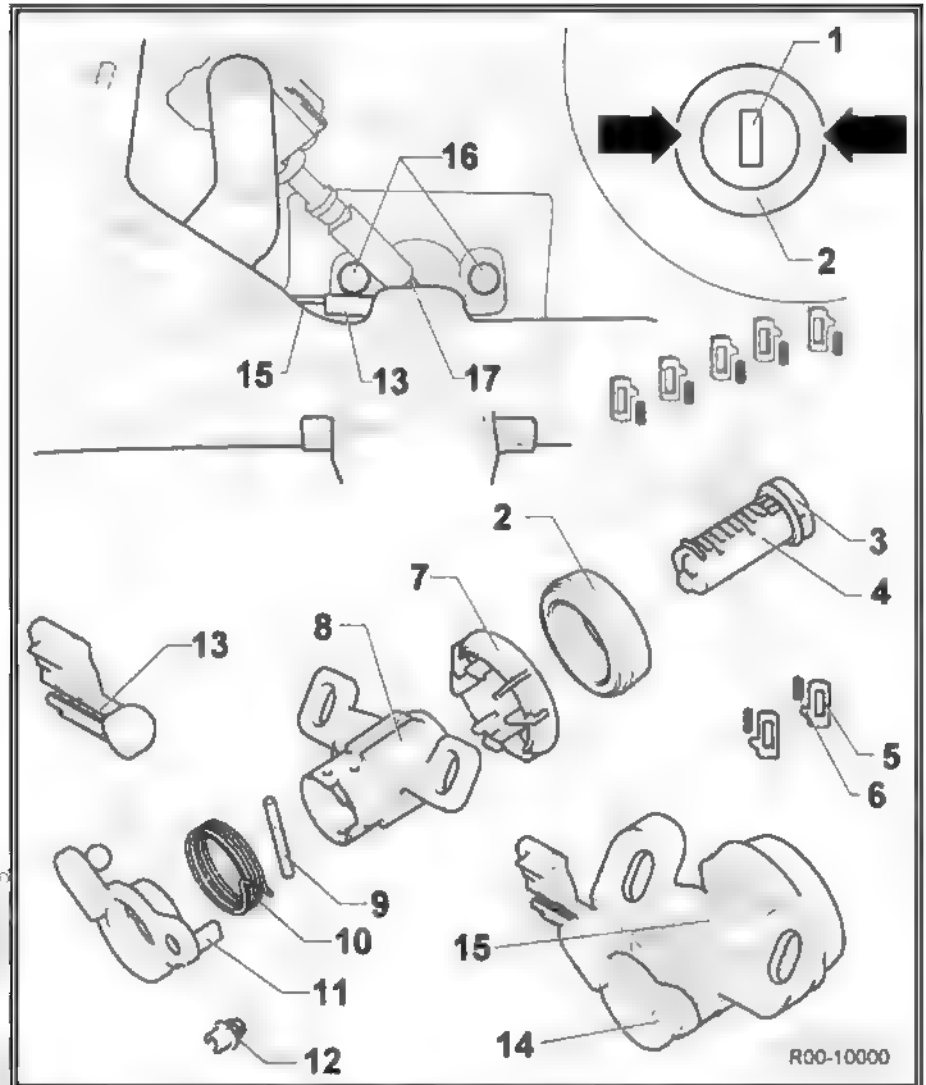
Torque wrench 2 to 10 Nm -VAG 1783-





2.17.1 Remove

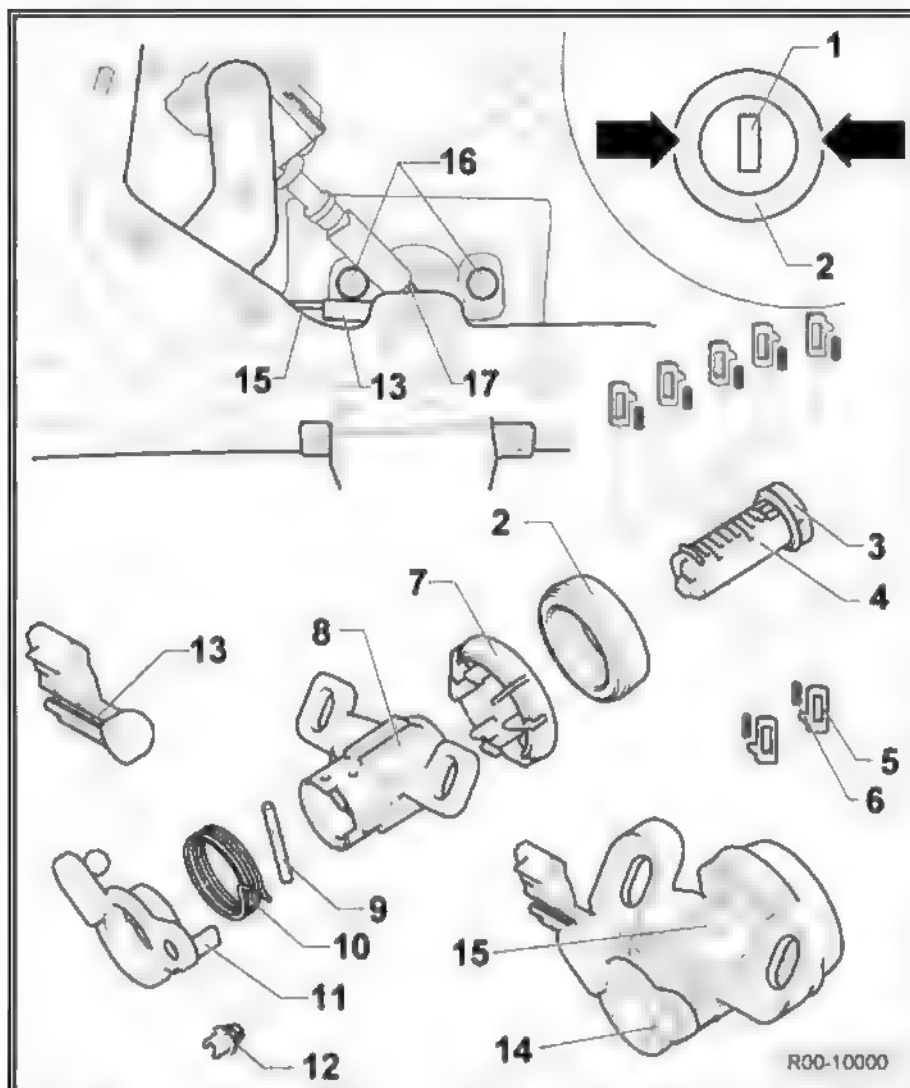
- Remove the rear door lining ➤ Body - Internal assembly works; Rep gr. 70 ; Lining / Insulation - Boot and luggage compartment lining



- Disengage the operating clip -12-.
- Disengage the operating rod -15-.
- Disengage motor for unlocking rear door -V139- operating rod from bushing -13-.
- Remove the fastening screws of the cylinder -16- .
- Disengage the cylinder



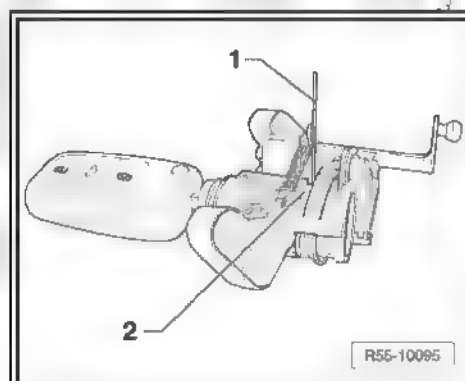
2.17.2 Install



- Installation is performed in the reverse sequence of the removal.
- Place cylinder in order to centralize it in rear door external hole -arrows- and place cylinder -1- slot vertically. The elongated holes on the cylinder housing allow this adjustment.

2.18 Latch cylinder (New Fox) - disassemble

- Remove the latch cylinder ➤ [page 52](#).
- Insert the key in the cylinder.
- With a $\varnothing 2$ mm -1- pin, in the hole under the spring -2-, and press the cylinder lock.
- Remove the key along with the cylinder.





3 Fuel reservoir nozzle compartment and lid set

3.1 Fuel reservoir nozzle compartment and lid set - remove and install

1 - Side panel

2 - Expansion nut

3 - Fuel reservoir nozzle compartment and lid set

- ☐ Constituted by fuel reservoir lid -4- and reservoir nozzle compartment -6-

- ☐ Remove:

- Remove fuel reservoir lid.
- Loosen the screw -5-.
- Remove rubber part from fuel reservoir nozzle and turn the lid set outwards the side panel.

- ☐ Install:

- First assemble the fuel nozzle compartment and lid set (fitted rubber part) with the hinge side.
- Tighten the screw -5-.

4 - Fuel reservoir lid

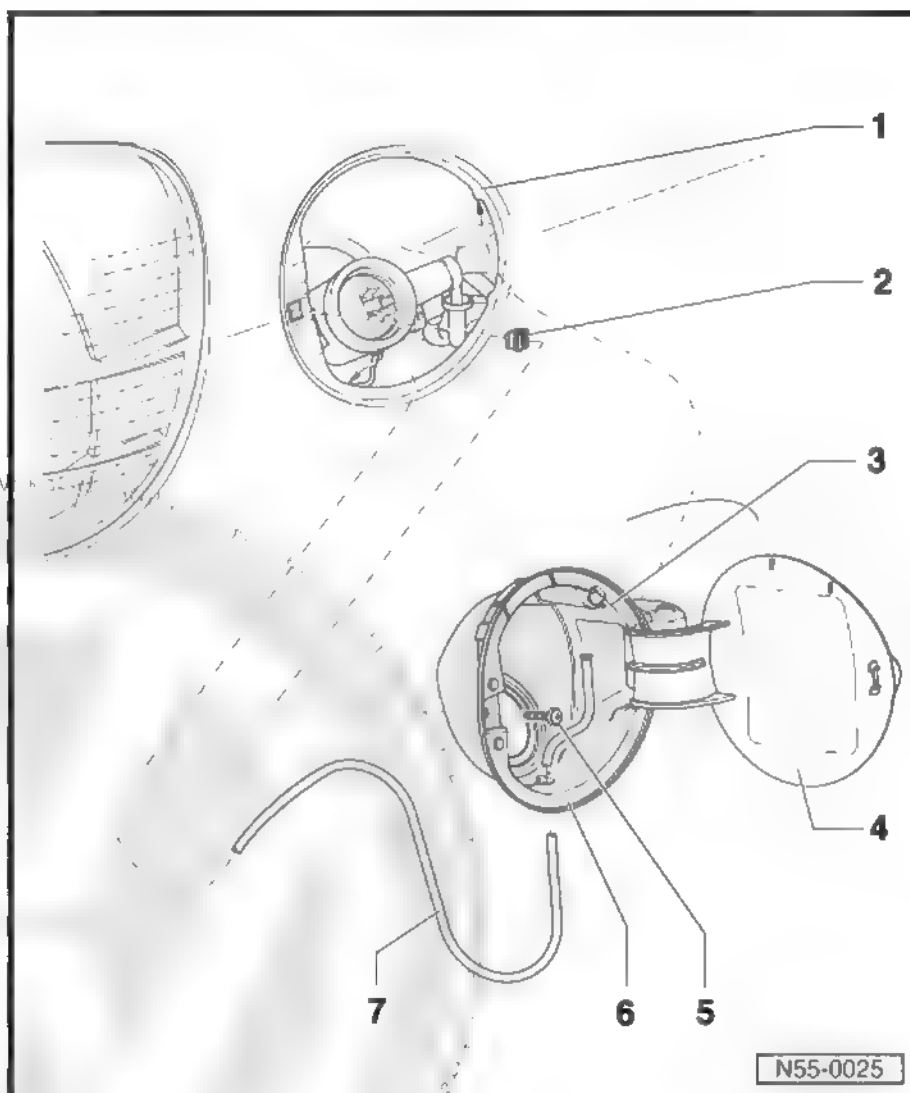
- ☐ can only be removed as refueling nozzle lid unit -3-.
- ☐ to remove fuel reservoir lid, press fastening pin of the refueling nozzle door unit.

5 - Screw

6 - Fuel nozzle lid compartment

- ☐ can only be removed with the fuel reservoir nozzle compartment and lid set -3-.
- ☐ to remove fuel reservoir lid, press fastening pin of fuel nozzle lid.

7 - Draining hose





57 – Front doors/components/central lock

1 Front door

1.1 Front door (Fox) - Assembly overview



Note

- ◆ The door hinge screws must always be replaced after being released.
- ◆ The instrument panel must be removed to remove and adjust the upper door hinges.

1 - Multi-tooth screw

- ☐ M 8
- ☐ assembled from inside the vehicle
- ☐ to loosen or fasten threshold screw ⇒ General body repairs, interior; Rep. gr. 68 ; Internal equipment
- ☐ Torque: 20 Nm + 1/4 turn (90°)
- ☐ Screws must always be replaced when removed

2 - Multi-tooth screw

- ☐ M 8
- ☐ Torque: 20 Nm + 1/4 turn (90°)
- ☐ Screws must always be replaced when removed

3 - Door hinge

- ☐ In two sections

4 - Hinge pin

5 - Nut

- ☐ Torque: 14 Nm

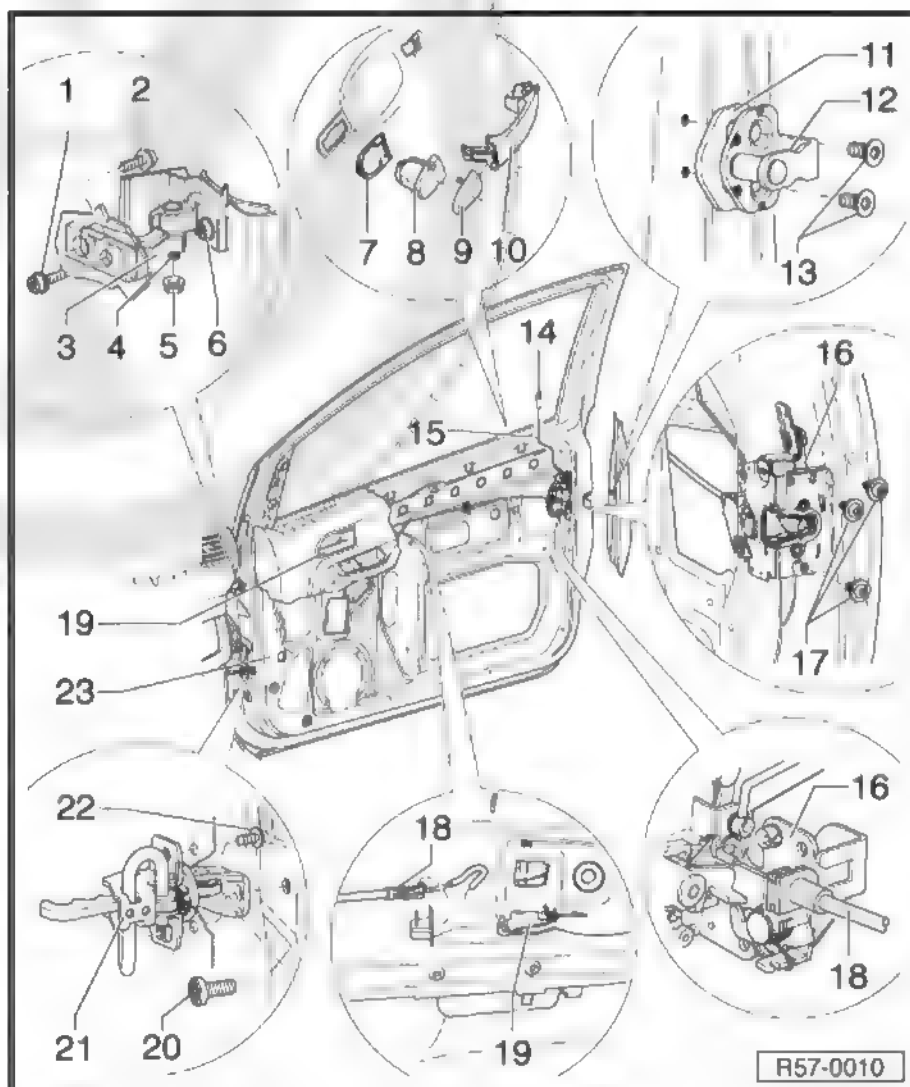
6 - Multi-tooth screw

- ☐ M 8
- ☐ Torque: 20 Nm + 1/4 turn (90°)
- ☐ Screws must always be replaced when removed

7 - Support

8 - Lock cylinder housing, or housing without lock cylinder

- ☐ remove and install ➔ [page 67](#)



R57-0010



9 - Cover cap

10 - Door handle

- ☐ remove and install ➔ [page 71](#)

11 - Support

12 - Latch plate

13 - Screw

- ☐ Torque: 20 Nm
- ☐ PowerLock

14 - Locking button

- ☐ Fastened to the locking rod
- ☐ For Europe versions, button on -locked door- position shall be „0 to 2 mm“ above button frame.
- ☐ For other versions except Europe, upper end of button must be 19 mm above door lining, on -locked door- position. On -unlocked door- position, the upper end of button shall be 29 mm above the door lining.

15 - Locking rod

16 - Door lock

- ☐ Remove and install ➔ [page 74](#)
- ☐ Lubricate with low-temperature grease -G 052 745 A3-

17 - Screw (M6 x 10)

- ☐ Torque: 4 Nm

18 - Lock activation cable

19 - Internal door activation

20 - Screw

- ☐ Torque: 25 Nm

21 - Door limiter

- ☐ remove and install ➔ [page 63](#)

22 - Screw

- ☐ Torque: 10 Nm

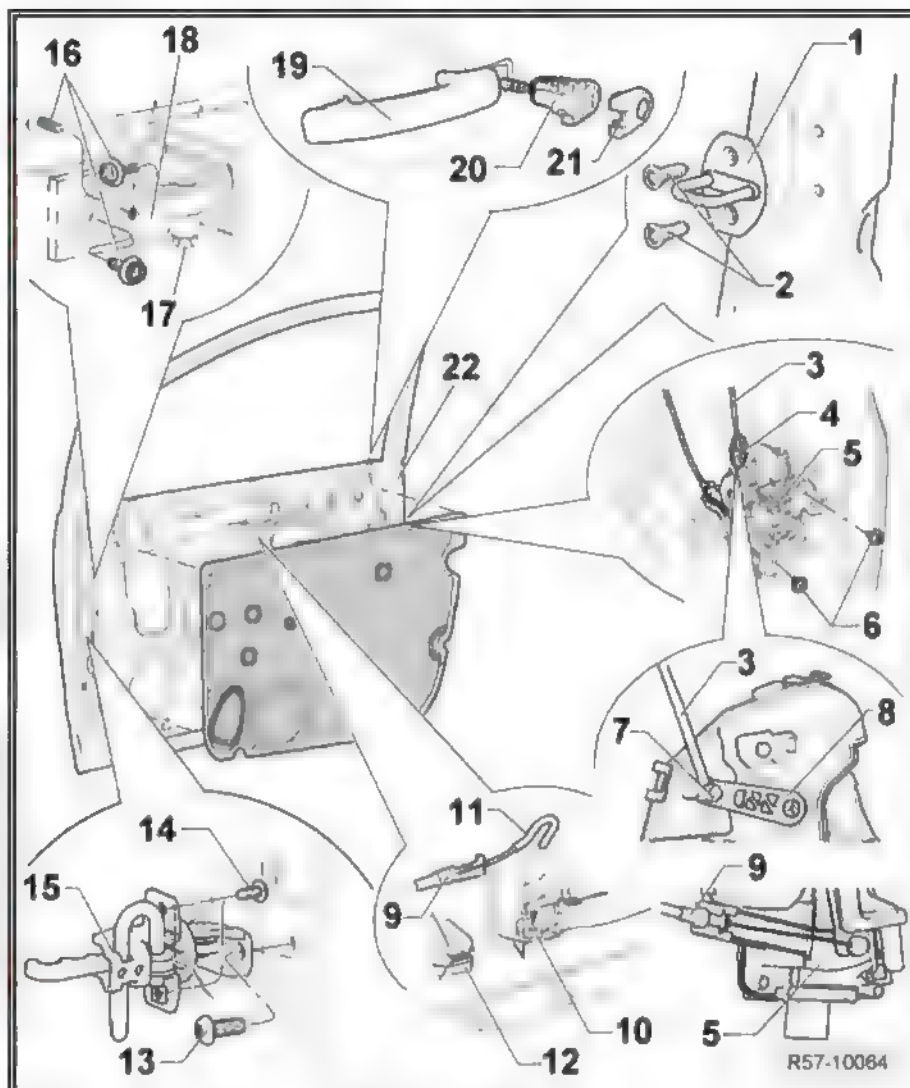
23 - Door

- ☐ remove and install ➔ [page 59](#)



1.2 Front door (New Fox) - Assembly overview

- 1 - Door buffer
 - ☐ Adjust → [page 63](#)
 - 2 - Screw
 - ☐ Torque: 20 Nm
 - 3 - Door lock rod
 - ☐ On -locked door- position, button on locking rod shall be „0 to 2 mm“ above the button frame
Use puller and fitter -VW 035-
 - 4 - Eye
 - 5 - Door lock
 - ☐ Remove and install → [page 78](#)
 - ☐ Lubricate with low-temperature grease -G 052 745 A3-
 - 6 - Screw
 - ☐ Torque: 20 Nm
 - 7 - Bushing
 - ☐ replace if necessary
 - 8 - Activation lever
 - 9 - Lock activation cable
 - ☐ Replace → [page 83](#)
 - 10 - Internal pull
 - 11 - Hook of the lock activation cable
 - 12 - Cable support
 - ☐ on door lining
 - 13 - Screw
 - ☐ Torque: 25 Nm
 - 14 - Screw
 - ☐ Torque: 10 Nm
 - 15 - Door limiter
 - ☐ remove and install → [page 63](#)
 - 16 - Multi-tooth screw
 - ☐ M 8
 - ☐ Torque: 20 Nm + 1/4 turn (90°)
 - ☐ Screws must always be replaced when removed
 - 17 - Nut
 - ☐ Torque: 14 Nm
 - 18 - Door hinge
 - ☐ In two sections
 - 19 - External door handle
 - ☐ remove and install → [page 72](#)





20 - Lock cylinder housing, or housing without lock cylinder

- ☐ remove and install ➔ [page 67](#)

21 - Cover cap

22 - Door

- ☐ remove and install ➔ [page 59](#)
- ☐ Adjust ➔ [page 60](#)
- ☐ Disassemble and assemble ➔ [page 62](#)
- ☐ Replace ➔ [page 62](#)

1.3 Front door - remove and install

Special tools and workshop equipment required

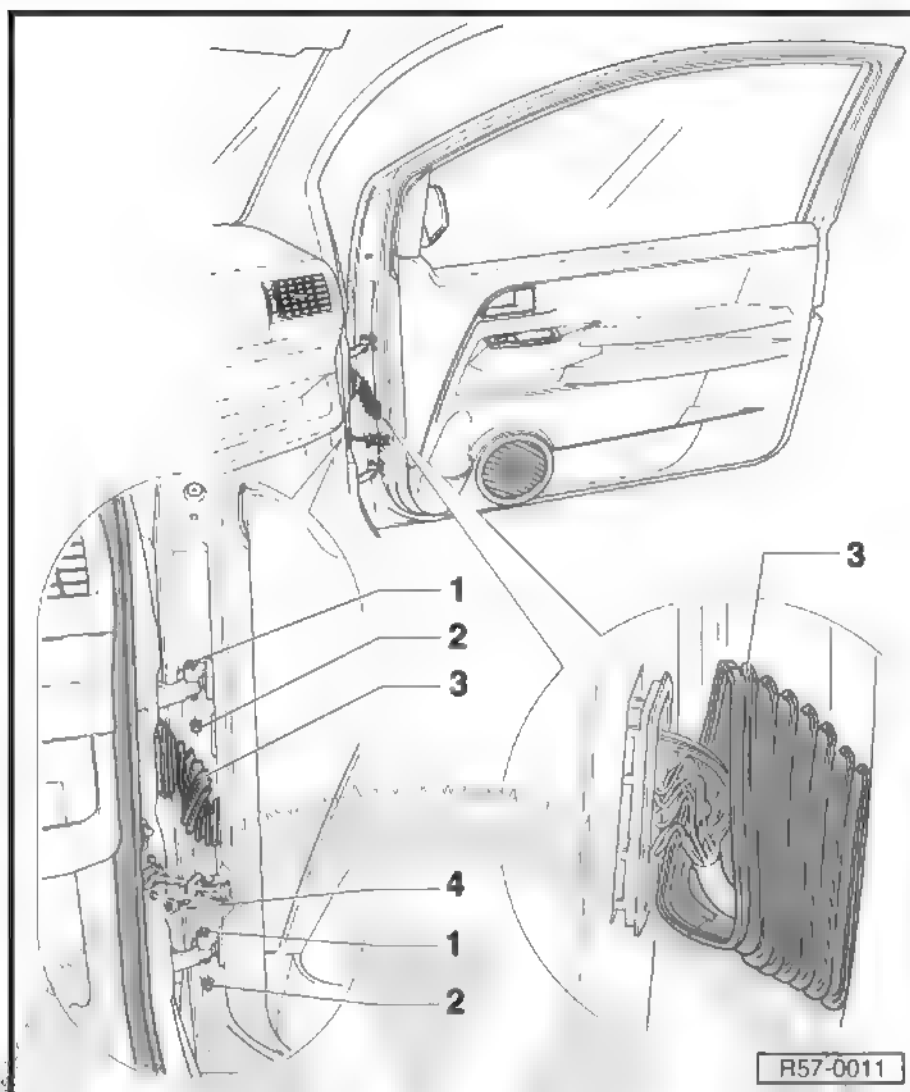
- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-

V.A.G 1331



W00-9427





Remove

- Pull protection bellows -3- from A-pillar and disconnect electric connections of coupling station located on A-pillar.
- Remove nuts -2- from hinge pins -1-.
- Remove the screw -4- from the door limiter.
- Disengage door upward and out of hinge angle bars.

Install

Install is performed in the reverse sequence, observing the following:

- Tighten the nuts -2- of the hinge pins to 14 Nm.
- Tighten the screw -4- of the door limiter to 25 Nm.

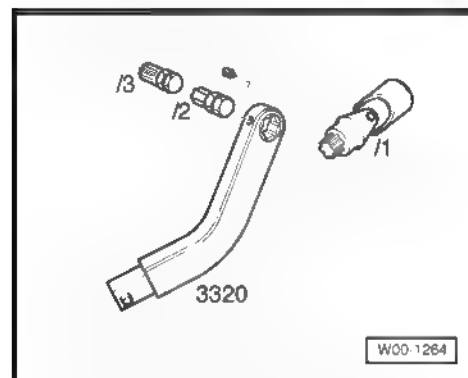
1.4 Front Door - adjust

Special tools and workshop equipment required

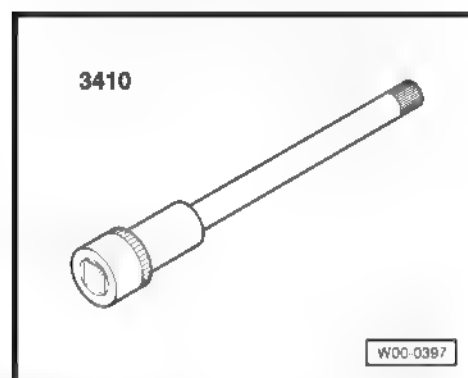
- ◆ Key -3320-



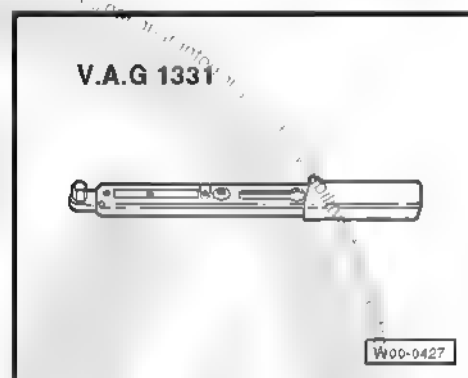
- ◆ Multi-tooth bits -3320/3-



- ◆ Multi-teeth socket -3410-



- ◆ Torque wrench - 5 to 50Nm (enc. 1/2") -VAG 1331-



Note

- ◆ *Vehicle must be supported by its wheels in order to correctly adjust the front door.*
- ◆ *The front door is correctly adjust when clearances are as specified ⇒ Body Repairs; Rep. gr. 00; Technical data - Body clearance dimensions when door is locked*
- ◆ *Take anticorrosion protection measures on hinges and screws after reinstalling or adjusting*

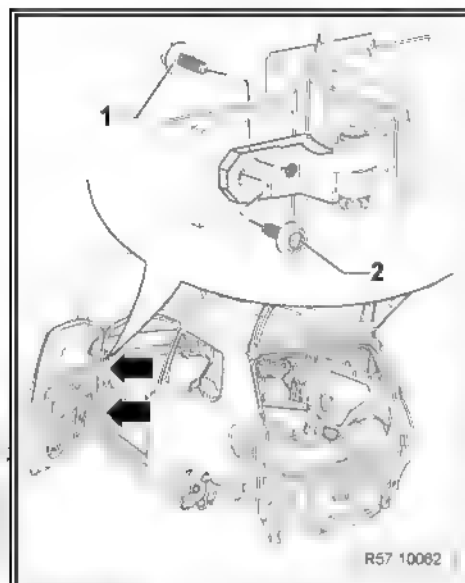


Screws -1- and -2- must be loosen on A-pillar in order to correctly adjust clearances.

- For screw -1- on lower door hinge, lower longitudinal member trim must be removed: ⇒ General body repairs, interior; Rep. gr. 68 ; Internal equipment . Loosen screw with multi-tooth socket -3410- .
- For screw -1- on upper door hinge, the dashboard must be removed: ⇒ General body repairs, interior; Rep. gr. 70 ; Linings / insulations Loosen screw with multi-tooth socket -3410- .

For screw -2- , loosen it with wrench -3320- and multi-tooth bits -3320/3- .

Adjust the door buffer ⇒ [page 63](#) .



1.5 Front Door - disassemble and assemble

1.5.1 Disassemble

- Remove the door lining ⇒ General body repairs, interior; Rep. gr. 70 ; Lining / insulation .
- Remove the door sealing membrane ⇒ [page 83](#) .
- Remove the door window drive mechanism:
 - manual activation.
 - electrical drive
- Remove the door window glass .
- Remove the external rearview mirror .
- Remove the internal and external door window glass linings.
- Remove the door window chute.
- Remove the glass guide rail.
- Remove the external handle ⇒ [page 64](#) .
- Remove the lock ⇒ [page 74](#) .
- Remove the door limiter ⇒ [page 63](#) .
- Disconnect the protection bellows and remove the harness from inside the door.

1.5.2 Assembling

- Assembly is preformed in the reverse sequence to disassembly.

1.6 Front door - replace

1.6.1 Remove

- Disassemble the door ➤ [page 62](#) .
- Remove the door ➤ [page 59](#) .



1.6.2 Install

- Apply sealing/caulking to the door ➔ Chemicals Manual .
- Install the door noise insulation ➔ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation .
- Paint the door ➔ Painting Manual .
- Install the door ➔ [page 59](#) .
- Apply anti-corrosion fluid ➔ Painting Manual .
- Assemble the door ➔ [page 62](#) .

1.7 Door buffer - adjust

Special tools and workshop equipment required

- ◆ "Torque wrench - 5 to 50 Nm (enc. 1/2")" -VAG 1331-

V.A.G 1331



W00-0427

1.7.1 Adjust

- Loosen buffer fastening screws.
- Position buffer and tighten screws temporarily.
- Close the door and check the perfect alignment with the body, check the clearance dimensions specified ➔ Body Repairs; Rep. gr. 00 ; Technical data - Body clearance dimensions .
- Definitely tighten buffer to:
 - 20 Nm (T45)
 - New Fox - 20 Nm (multi-tooth)

1.8 Door limiter - remove and install

Special tools and workshop equipment required

- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-

V.A.G 1331

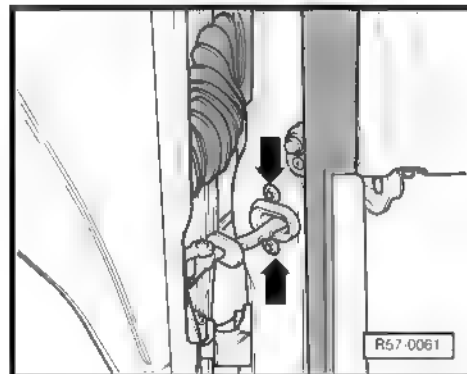


W00-0427



1.8.1 Remove

- Remove front door threshold trim ⇒ General body repairs, interior; Rep. gr. 68 ; Linings / insulations
- Remove the door limiter fastening screw (T-40)
- Remove fastening screws -arrows- from limiter on pillar A (T-30).
- Remove limiter



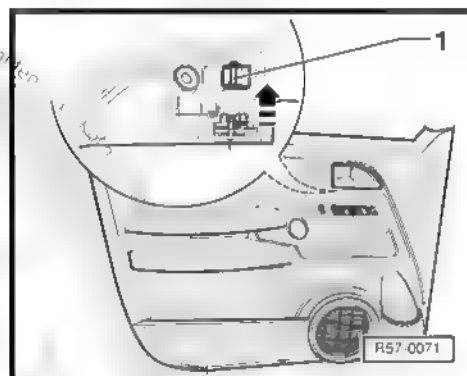
1.8.2 Install

- Installation is performed in the reverse sequence to the removal.

1.9 Internal handle (Fox) - replace

1.9.1 Remove

- Remove the door lining ⇒ General body repairs, interior; Rep. gr. 70 ; Lining / insulation .
- Disengage operating cable from internal handle.
- Move handle joint pin -1- towards the arrow until hitting buffer on the door lining.
- Activate internal handle, loosen spring and disengage it from the door lining.



1.9.2 Install

- Installation is performed in the reverse sequence to the removal

1.10 Front door external handle and lock (Fox) - assembly overview



1 - Cap

2 - Door lock

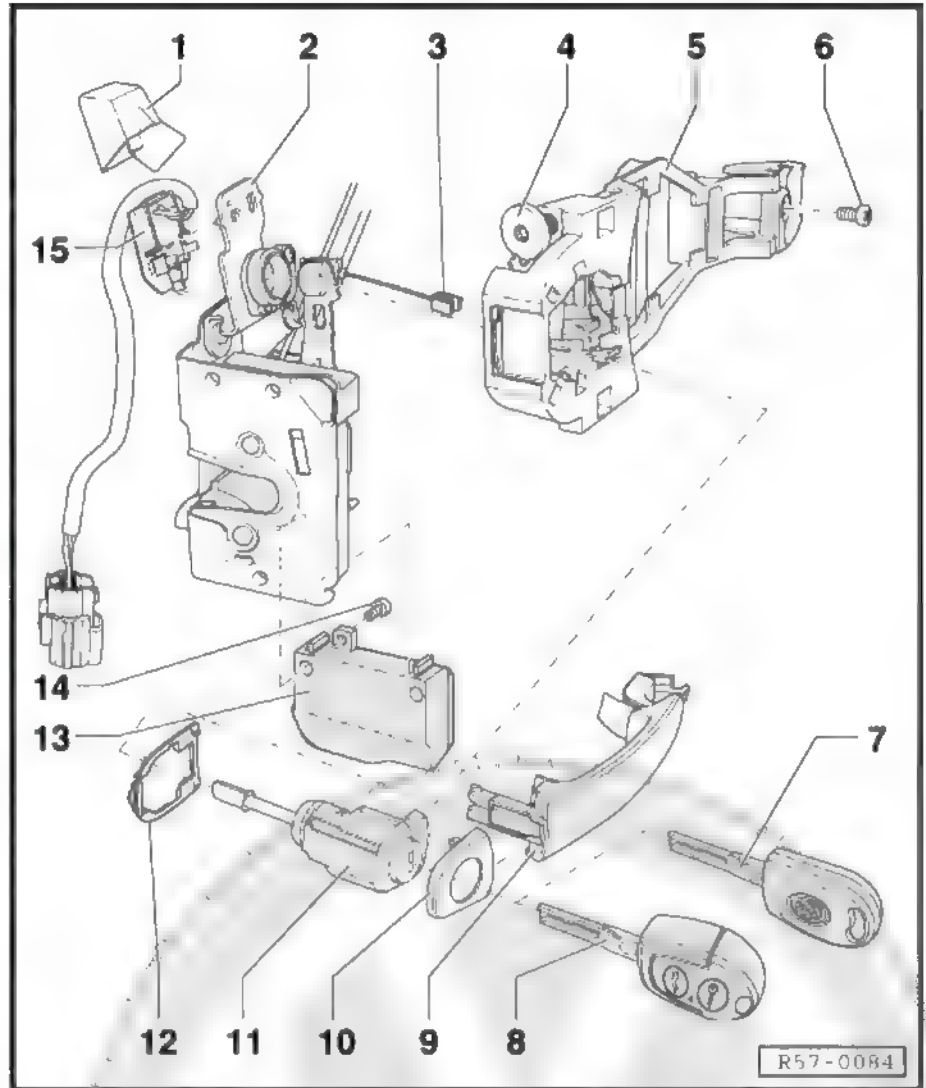
- ☐ Remove and install
➔ [page 74](#)
- ☐ Lubricate with low-temperature grease -G 052 745 A3-

3 - Operating cable

- ☐ Lock unlocking.

4 - Torx screw

- ☐ Release with the pin-cers -T10072- .
- ☐ When releasing screw, the lock cylinder housing fastening is unlocked
⇒ [Item 11 \(page 65\)](#)
and can be pulled out of the external handle support
⇒ [Item 5 \(page 65\)](#) .
- ☐ The screw
⇒ [Item 4 \(page 65\)](#) cannot be tightened if the lock cylinder housing is not placed. The locking ring may fall inside the door.
- ☐ Torque: .



-Zamak handle support, 4.5 Nm-

- ☐ Torque: -PA6 30 GF handle support, 2.5 Nm-

5 - External handle support

- ☐ Remove the lock cylinder housing ⇒ [page 67](#) .
- ☐ Remove the door handle ⇒ [page 71](#) .
- ☐ Remove the door lining ⇒ General body repairs, interior; Rep. gr. 70 ; Lining / insulation .
- ☐ Remove the sealing membrane in the door handle area.
- ☐ Loosen screw ➔ [Item 6 \(page 65\)](#) , push external handle support a little backwards, and remove it from the door.

6 - Screw

7 - Key

8 - Key with remote control

- ☐ Battery replacement ⇒ [page 95](#)
- ☐ Code remote control for new or additional key ⇒ [page 98](#)

9 - Door handle

- ☐ Remove and install ➔ [page 71](#)

10 - Cover cap

11 - Cylinder housing with or without lock cylinder

- ☐ Remove and install ➔ [page 67](#)



- ☐ fitted to the door lock and fastened with a screw.

12 - Support

13 - Central locking motor for driver/passenger door -V56/V57-

- ☐ for central locking
- ☐ fitted to door lock ➔ [Item 2 \(page 65\)](#) and fastened with a screw.

14 - Screw

15 - Switch on external driver door handle for alarm system -F121-

1.11 Front door external handle and lock (New Fox) - assembly overview

1 - External handle support

- ☐ Remove the lock cylinder housing ➔ [page 67](#) .
- ☐ Remove the door handle ➔ [page 72](#) .
- ☐ Remove the door lining ➔ General body repairs, interior; Rep. gr. 70 ; Lining / insulation .
- ☐ Remove the sealing membrane in the door handle area.
- ☐ Loosen the screw, push the external handle support a little backwards and remove it from the door.

2 - Screw

3 - Torx screw

- ☐ Release with the pin-cers -T10072- .
- ☐ When releasing the screw, the fastening of the lock barrel housing is unlocked and can be pulled out of the external handle support.
- ☐ The screw cannot be tightened without the lock barrel housing being placed. The locking ring may fall inside the door.

4 - Door handle

- ☐ Remove and install ➔ [page 72](#)

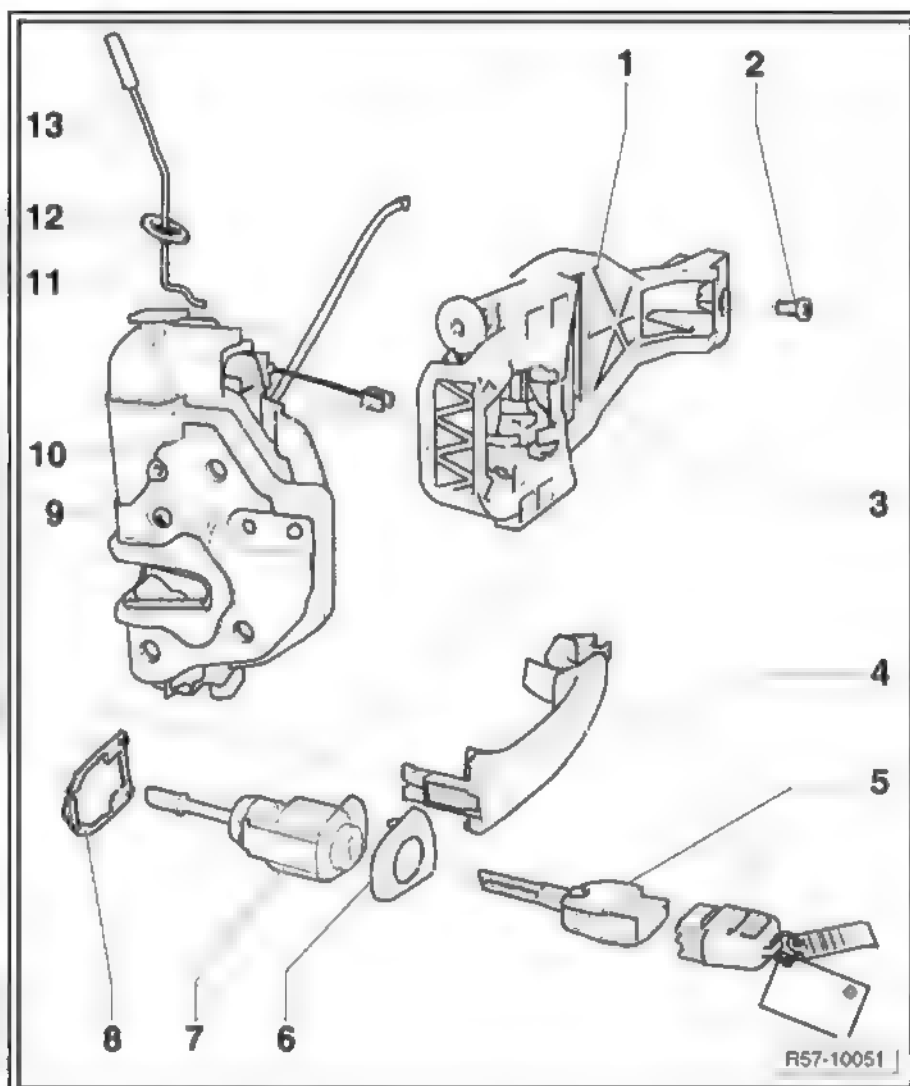
5 - Key with remote control

- ☐ Battery replacement ➔ [page 96](#)
- ☐ Adapting keys with remote or additional control ➔ [page 98](#)

6 - Cap

7 - Cylinder housing with or without lock cylinder

- ☐ Remove and install ➔ [page 67](#)
- ☐ fitted to the door lock and fastened with a screw.





8 - Sealing

9 - Door lock

- ☐ Remove and install ➔ [page 78](#)
- ☐ Central locking motor for driver/passenger door -V56/V57- is integrated to lock set.
- ☐ Lubricate with low-temperature grease -G 052 745 A3-

10 - Operating cable

- ☐ Lock unlocking.

11 - Lock activation cable

- ☐ Remove and install ➔ [page 83](#)

12 - Door lock rod

13 - Door lock button

- ☐ Fastened to the locking rod
- ☐ Remove and install ➔ [page 80](#)

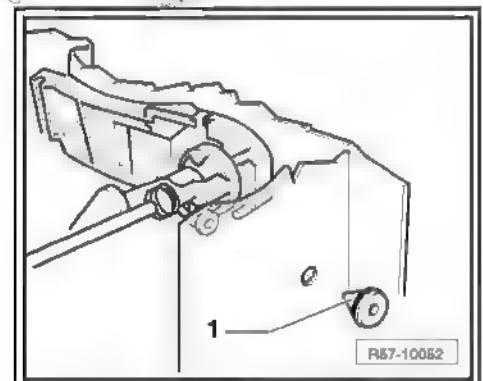
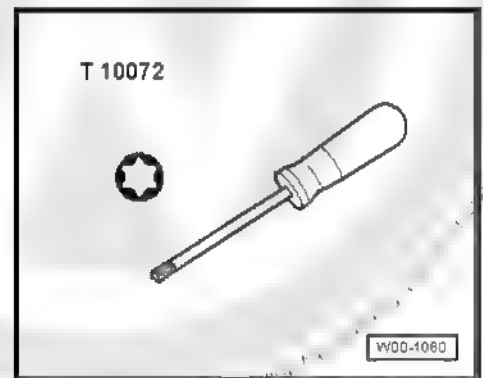
1.12 Lock cylinder housing - remove and install

Special tools and workshop equipment required

- ◆ torque wrench -T10072-

Remove

- Disengage plug -1-.





- Pull and hold the door handle -1-. Release the screw -3- with the pincers -T10072- and simultaneously press towards the external handle support. This releases the locking in the lock cylinder housing.



Note

If the screw is excessively released, the locking ring may detach from the external handle support and fall into the door as a result.

- Pull the lock cylinder housing -2- out of the external handle support, at a straight angle in relation to the door handle.

Install

Install is performed in the reverse sequence, observing the following:

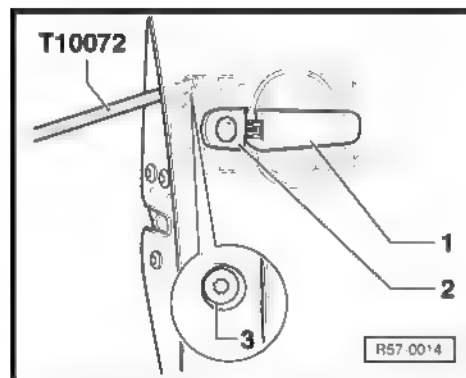
- Place the lock cylinder housing on the external handle support at a straight angle.
- Then, fasten the screw to the external handle support with the pincers -T10072-.

The door handle is again fitted to the lock cylinder housing when there is an audible click.



Note

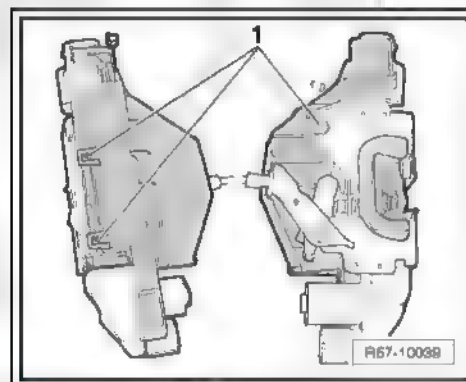
During the assembly, you must press the door handle and the lock cylinder housing against the door plate.



1.13 Central locking motor for driver/passenger door -V56/V57- (Fox) - replace

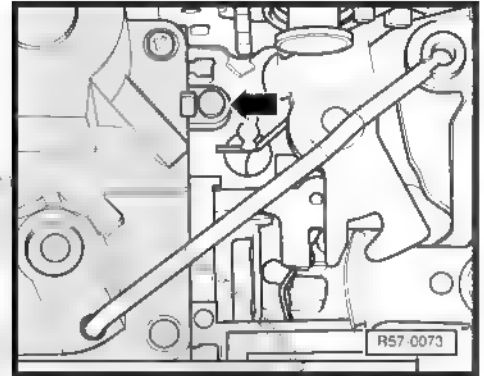
1.13.1 Remove

- Remove the door lock ➔ [page 80](#).





- Disengage locks -1- and separate the lock cover cap.
- Remove screw -arrow- that fastens the motor.
- Disengage and remove the motor operating rod.



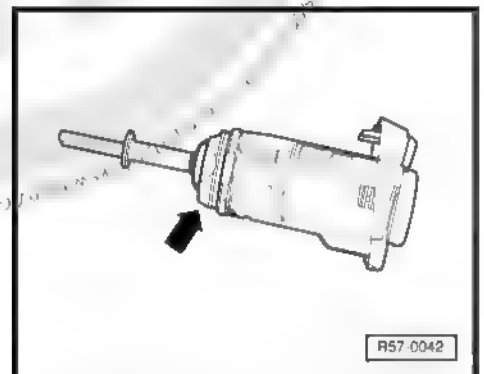
1.13.2 Install

- Installation is performed in the reverse sequence to the removal.

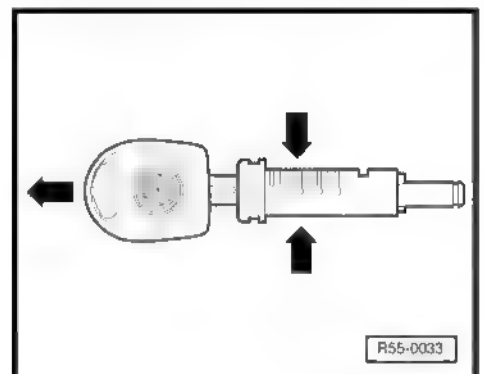
1.14 Cylinder housing - disassemble and assemble

1.14.1 Disassemble

- Remove the lock cylinder housing ⇒ [page 67](#) .
- Insert the key in the cylinder.
- Press key towards cylinder
- Remove the lock and disengage the operating lever -arrow-.
- Remove the rings, the spring and the cylinder guide
- Remove cylinder along with key from housing.
- Clean the cylinder, removing all the dirt and grease remains.



- Manually press the gorges into the cylinder, and then carefully remove the key.
- Slowly loosen the cylinder, releasing the pressure from the gorge springs.



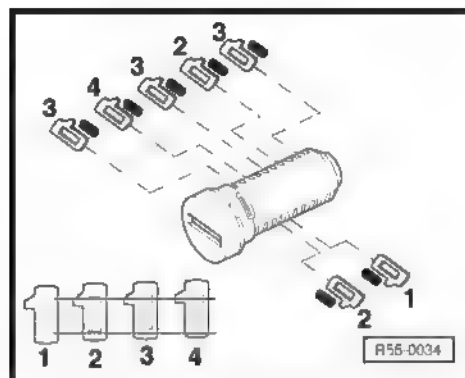


- Remove the gorges and the springs, marking their position in relation to the cylinder



Note

The gorges are identified by numbers from 1 to 4 (it is also possible to identify them through colors), mark the sequence, in the example - 2 3 1 4 3 2 3, or 2 1, on the lower section, and 3 4 3 2 3 on the upper section.



1.14.2 Assembling

- Place the springs and gorges in the correct position (sequence).



Note

During the operation, lubricate gorges and the cylinder with multipurpose grease ⇒ Chemicals Manual or -G 052 745 A3-.

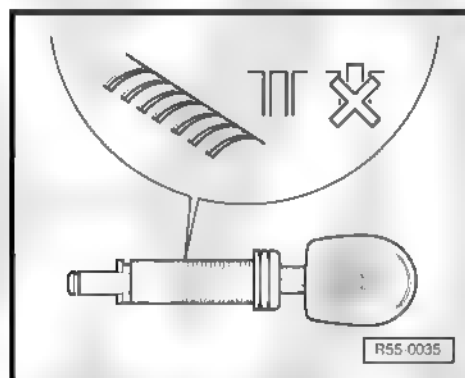
- When assembling, it is possible to combine gorges depending on the vehicle key, in case of cylinder replacement. To do so, follow the steps below:
- Beginning with the last gorge position on the cylinder, place the spring and gorge number 1. Insert the key and observe the gorge position in relation to the cylinder.
- If the upper gorge section is aligned with the cylinder housing -arrow-, then gorge number 1 is the correct one for this position. Otherwise, place gorge number 2 and so forth until finding the one that is aligned with cylinder when the key is inserted.



Note

Repeat the operation for all other gorge positions in the cylinder. Mark the position (sequence) of the gorges in relation to the cylinder.

- Install the cylinder guide on the housing.
- Insert the cylinder into the guide.
- Position the spring and the rings.
- Install the operating lever.
- Install the lock
- Install the lock cylinder on the handle ⇒ [page 69](#) .
- Install the external handle ⇒ [page 71](#) .



1.15 Cylinders and keys (Specific information for Brazil) - request

The key may be requested to the parts department with the original key mechanical code. For this purpose, follow the instructions in the Parts Circular Letter, number 156, of June 2004.

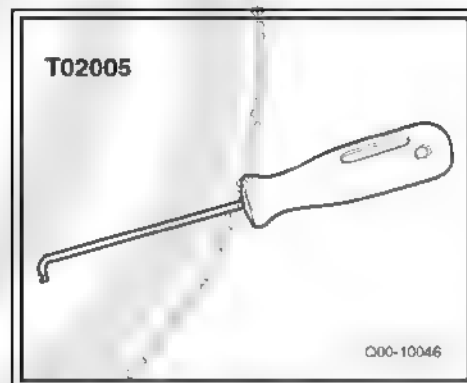


Full cylinders may be requested via fax number (5511) 4347-3652, by sending every information about the vehicle (chassis number, original key mechanical code, etc.)

1.16 External door handle (Fox) - remove and install

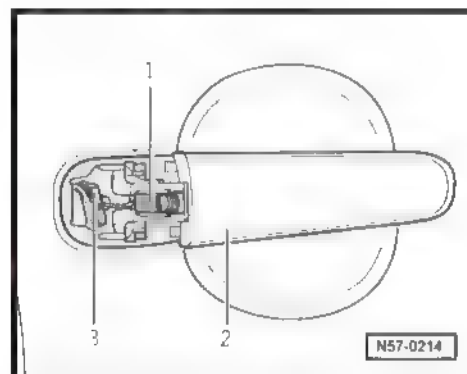
Special tools and workshop equipment required

- ◆ Assembly tool -T 10389- or Assembly tool -T 02005-



1.16.1 Remove

- Remove the door lining ⇒ General body repairs, interior, Rep. gr. 70 ; Lining / insulation .
- Unglue door sealing membrane from the upper section.
- Remove the lock cylinder housing ⇒ [page 67](#) .
- Disengage the clip -1- from the door handle -2-.
- Disengage the door handle -2- from the door panel.



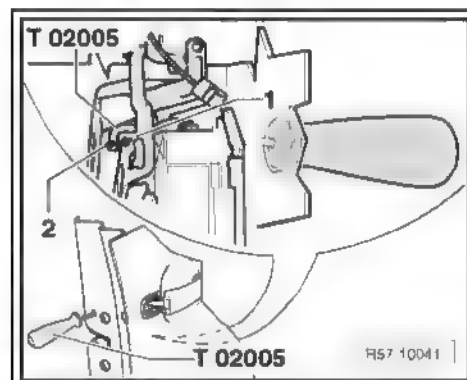
1.16.2 Install



Note

Before installation begins, the spring -2- must be positioned so that the handle has no clearance when activated. To do so, follow instructions below.

- Remove lock fastening screw (upper side lining) where assembly tool -T 10389- or assembly tool -T 02005- shall be inserted
- Introduce assembly tool -T 10389- or assembly tool -T 02005- in lock fastening hole.
- For better vision, light the internal door section with a lamp.





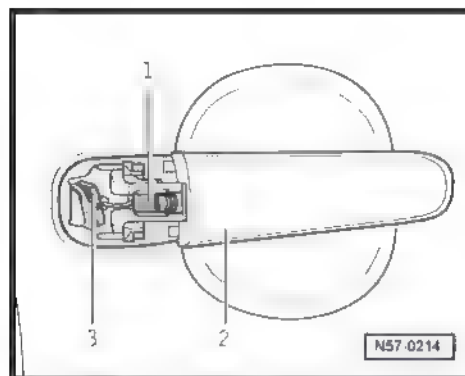
- Fit spring -2- to operating lever -1-.
- Fit the door handle -2- to the door panel.
- Pull the clip -1- inside the plate cut and fit to the door handle.



Note

When assembling the clip, the latch operating lever -3- cannot be pulled and the door handle -2- must be pressed against the door panel.

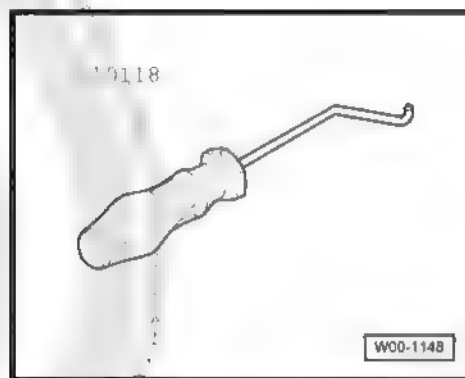
- Install the lock cylinder housing [page 67](#).



1.17 External door handle (New Fox) - remove and install

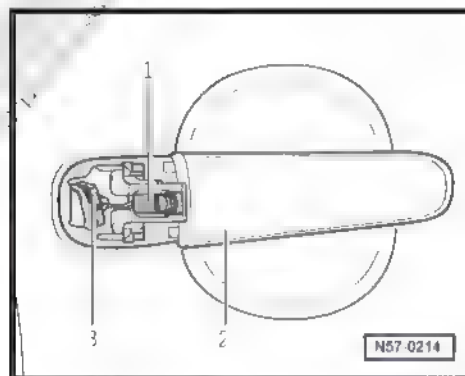
Special tools and workshop equipment required

- ◆ Hook -T10118-

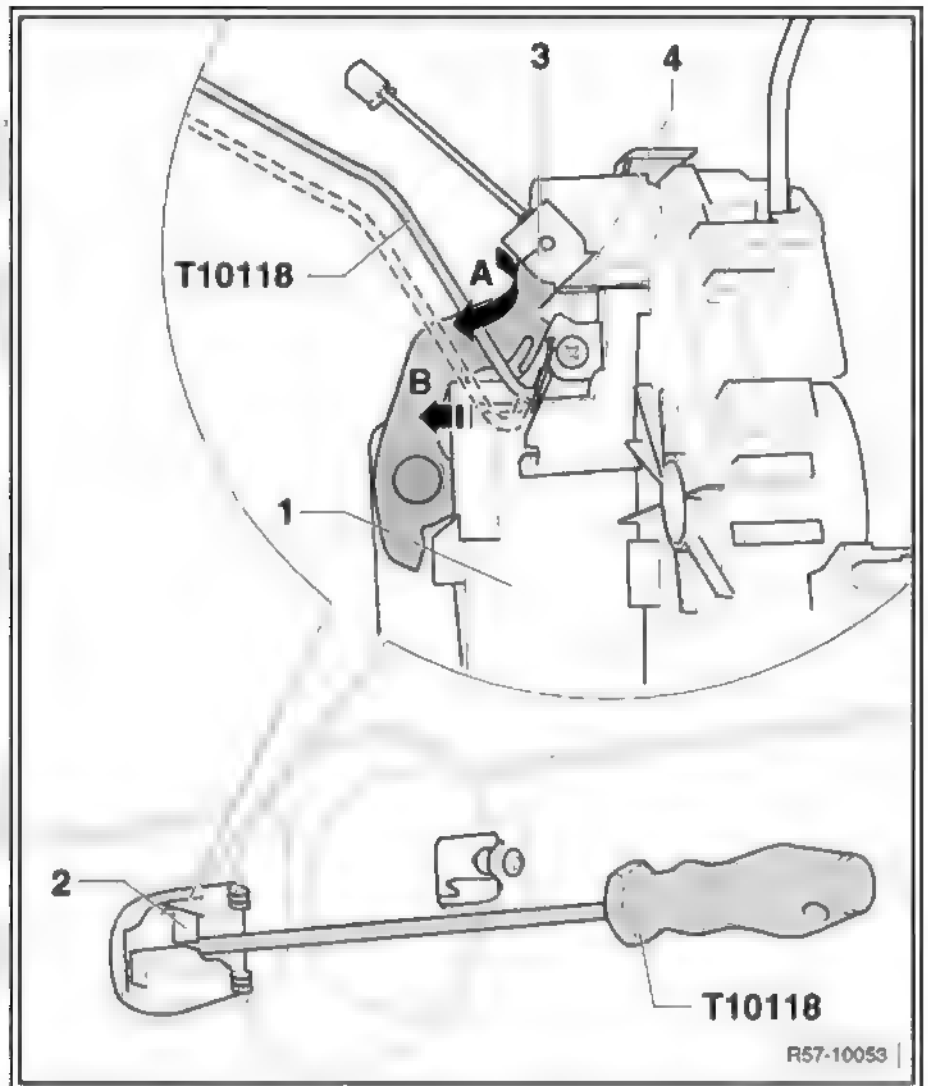


1.17.1 Remove

- Remove the lock cylinder housing [page 67](#).
- Disengage the clip -1- from the door handle -2-.
- Disengage the door handle -2- from the door panel.



1.17.2 Install

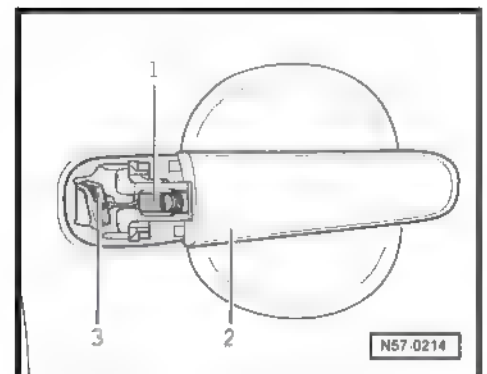


- Through the opening on the door panel -1-, insert the hook -T 10118- in the door.
- For a better view, illuminate the internal section of the door with a lamp.
- Turn the hook -T 10118- on the spring -4- -arrow A-.
- Pull the hook -T 10118- towards -arrow B-, fasten the spring on lever -3- in the door lock -1-.
- Fit the door handle -2- to the door panel.
- Pull the clip -1- inside the plate cut and fit to the door handle.



Note

When assembling the clip, the latch operating lever -3- cannot be pulled and the door handle -2- must be pressed against the door panel.



- Install the lock cylinder housing ➤ [page 67](#) .



1.18 External door handle - replace

1.18.1 Remove

- Remove the external handle ⇒ [page 71](#) .

1.18.2 Install

- Paint the handle ⇒ [Painting Manual](#) .
- Installation is performed in the reverse sequence to the removal.

1.19 Door lock (Fox) - remove and install

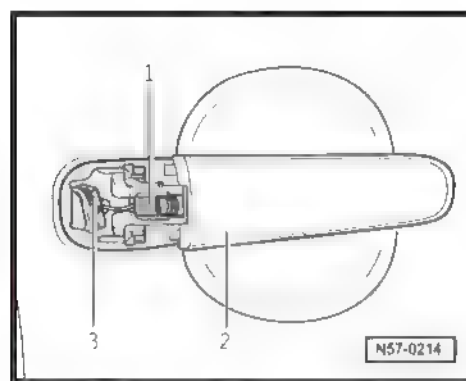
Special tools and workshop equipment required

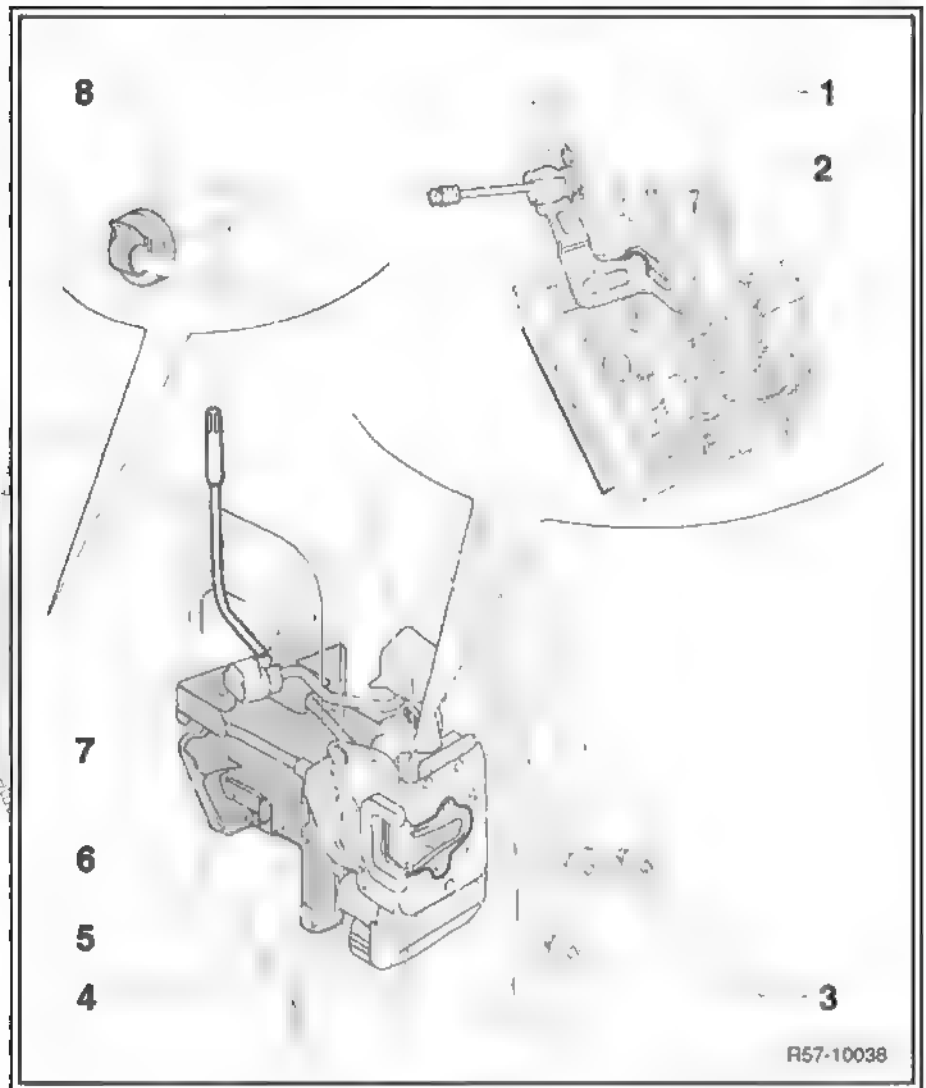
- ♦ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-



1.19.1 Remove

- With the door window closed, remove the front door lining ⇒ General body repairs, interior; Rep. gr. 70 ; Linings / insulations
- Detach door sealing membrane from the upper section.
- Remove the lock cylinder housing ⇒ [page 67](#) .
- Disengage the clip -1- from the door handle -2-.

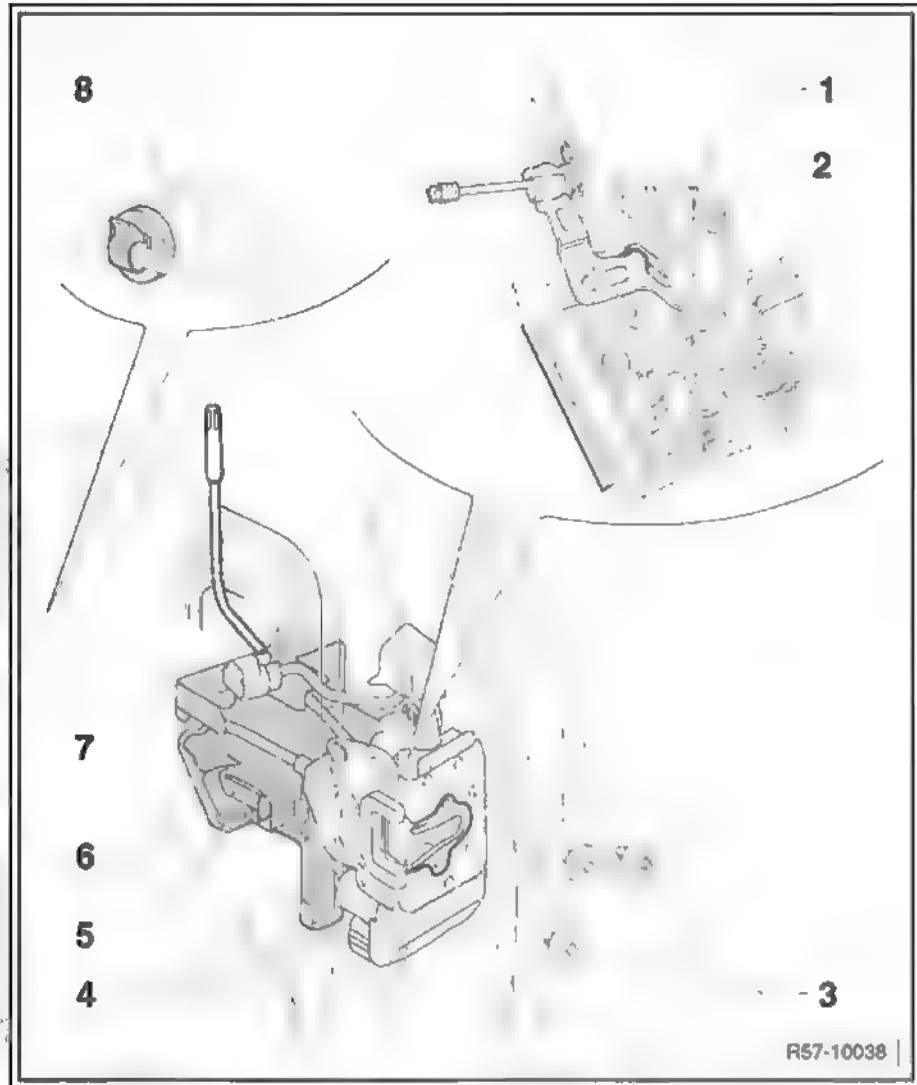




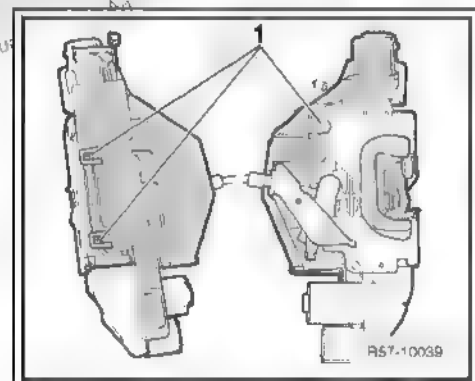
- Disengage door operating cable -5- from clip -8- (LAM market only)
- Disconnect the connector from the central locking motor for driver's/passenger's door -V56/V57- -4-.
- Disengage connector from the alarm system harness-6-.
- Remove the fastening screws -3- from the door lock and remove the lock through the assembly opening.

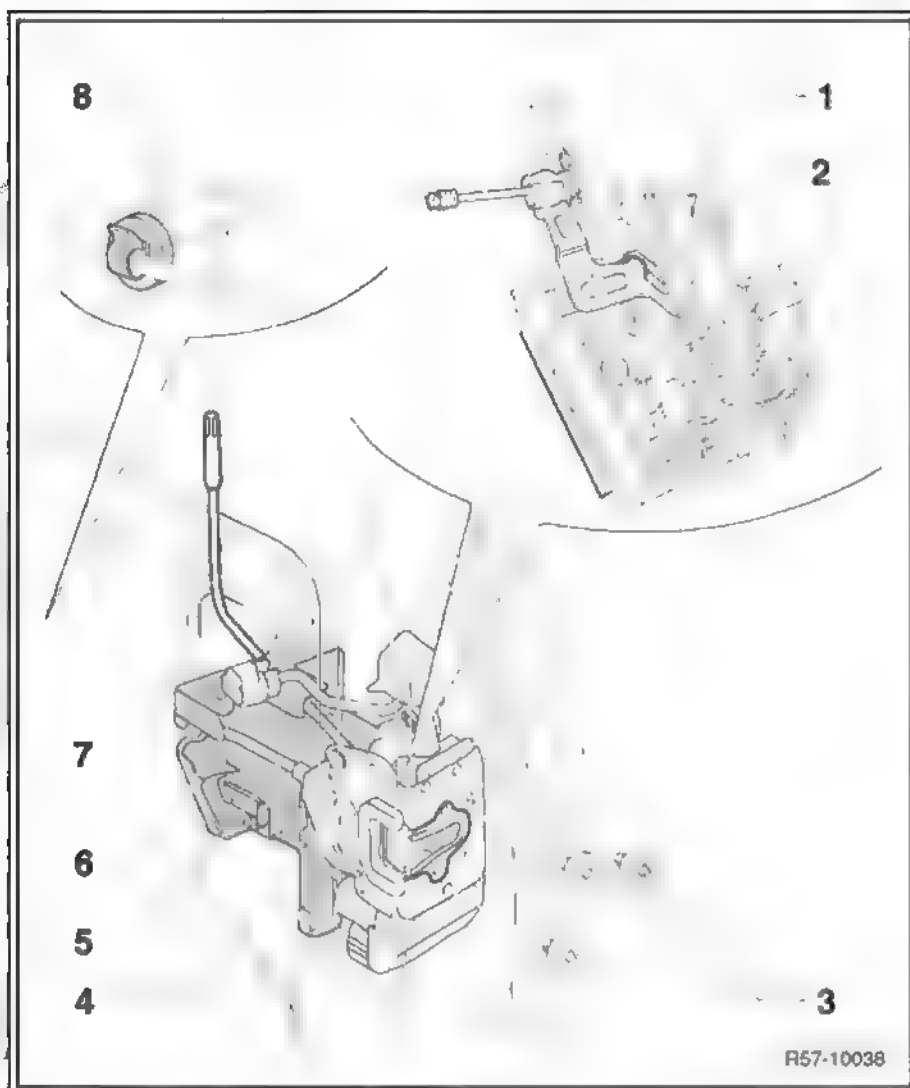
1.19.2 Install

- Install lock operating cable -5-
- Fit the lock locking rod -7-.



- Fit spring -1- to lock operating lever -2-.
- Fit locks -1- and fasten the lock cover cap.





- Position the lock and install the fastening screws -3- of the door lock to a final torque of 4 Nm.
- Disconnect the connector from the central locking engine for driver/passenger door -V56/V57- -4-.
- Connect connector of alarm system harness -6-.



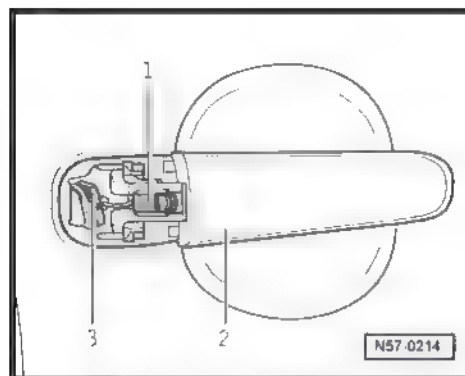
- Fit door operating cable -5- to clip -8- (Latin American market only).
- Pull the clip -1- inside the plate cut and fit to the door handle -2-.



Note

When assembling the clip, the lock operating lever -3- cannot be pulled and the door handle -2- must be pressed against the door plate.

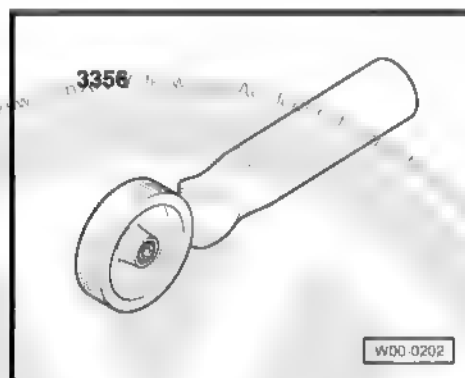
- Install the lock cylinder housing ⇒ [page 67](#) .
- Install the door sealing membrane, **pressing** it with the pressure roll -3356- .
- Install front door lining ⇒ General body repairs, interior; Rep. gr. 70 ; Linings / insulations



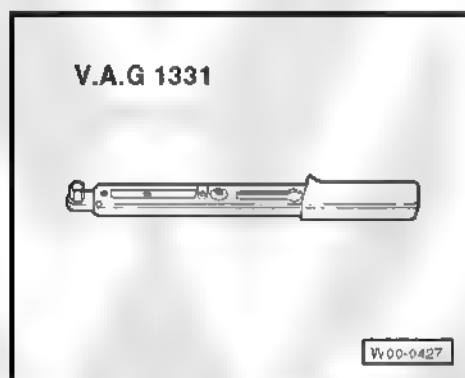
1.20 Door lock (New Fox) - remove and install

Special tools and workshop equipment required

- ◆ Pressure roll -3356-



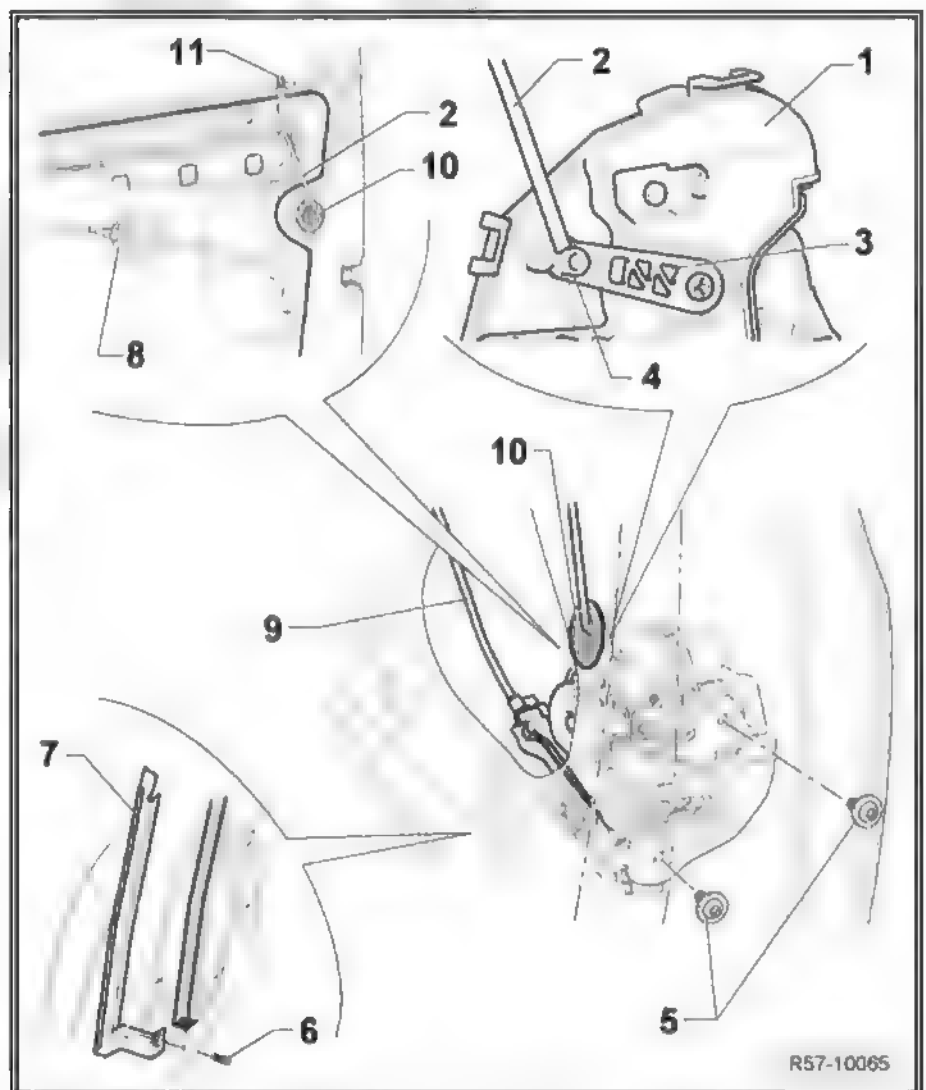
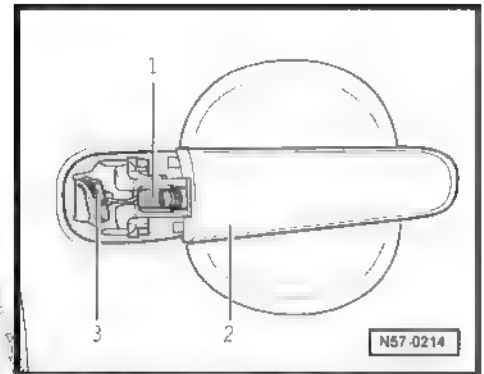
- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-





1.20.1 Remove

- Remove the lock cylinder housing ➔ [page 67](#) .
- Disengage the clip -1- from the door handle -2-
- With the door window closed, remove the front door lining ➔ General body repairs, interior; Rep. gr. 70 ; Linings & insulations



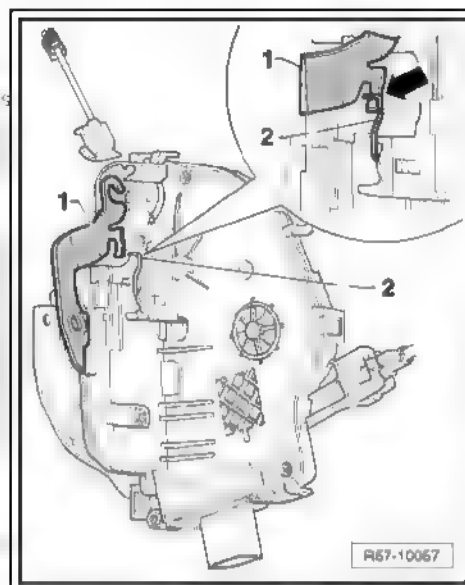
- Disengage eyelet -10- from internal door panel and disengage rod -2- from bushing -4- in lever -3-
- Detach adhesive tapes -2- that fasten sealing membrane on the lock operating cable -8-.
- Detach the door sealing membrane to access the lock



- Remove screw -6- (8 Nm) and move guide rail -7- to remove the lock
- Disconnect the connector from the central locking motor for driver/passenger door -V56/V57- in the lock
- Remove fastening screws -5- (20 Nm) from the door lock -1- and remove the lock through the assembly opening.

1.20.2 Install

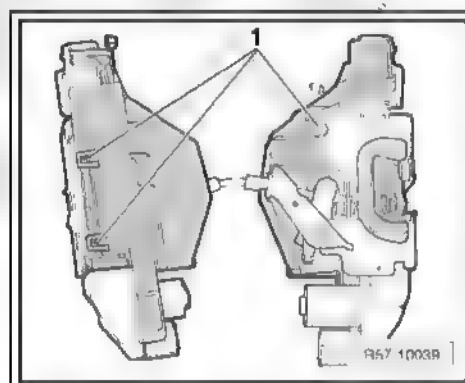
- Place spring -2- under the lock operating lever -1-, with thin nose pliers.
- Installation is performed in the reverse sequence to the removal.



1.21 Door lock (Fox) - replace

1.21.1 Remove

- Remove the lock ⇒ [page 74](#) .
- Disengage locks -1- and separate the lock cover cap.
- Disengage and remove the lock locking rod.
- Remove lock operating cable ⇒ [page 81](#) .
- Remove central locking motor for driver/passenger door -V56/V57- , if any.
- Remove switch on external driver door handle for alarm system -F121- , if any.



1.21.2 Install

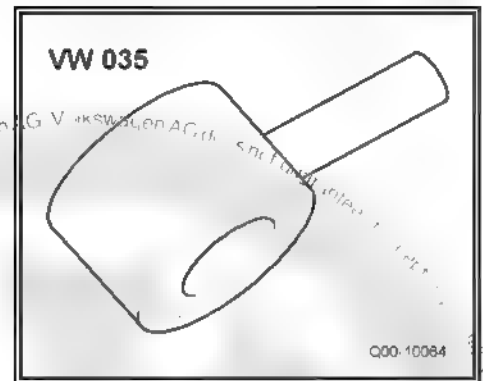
- Installation is performed in the reverse sequence to the removal.

1.22 Lock button (locking rod - New Fox) - remove and install

Special tools and workshop equipment required

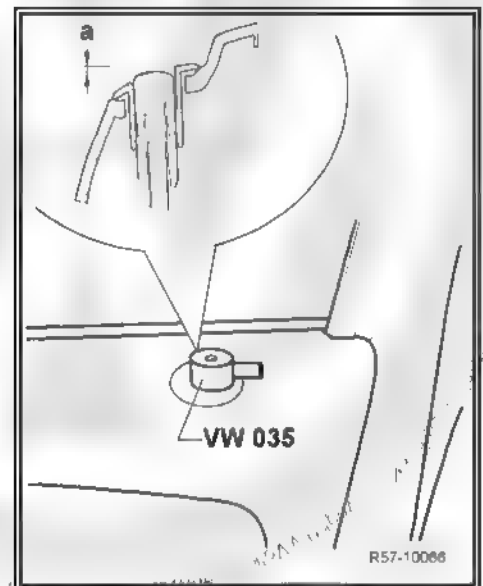


◆ Puller and fitter -VW 035-



1.22.1 Remove

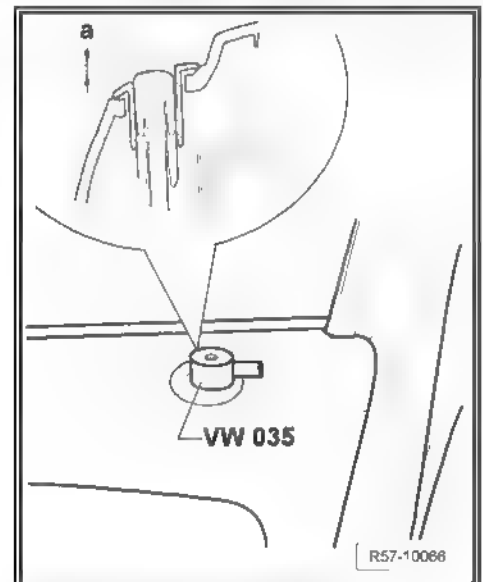
- With the lock button totally raised, fit Puller and Fitter -VW 035- and loosen the pin.
- Remove the tool with the button



1.22.2 Install

- Insert button in the Puller and fitter -VW 035- and screw the button in order that, when in locked position, it is at a distance -a- from the door lining.

Dimension -a- = 0 to - 1 mm

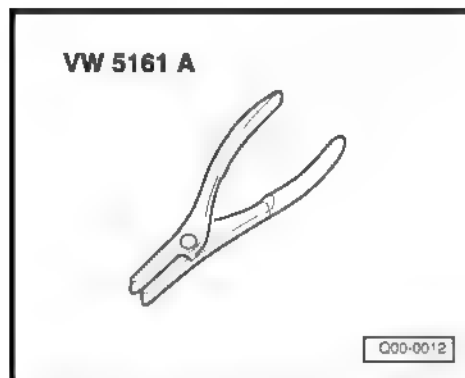


1.23 Lock operating cable (Fox) - replace

Special tools and workshop equipment required

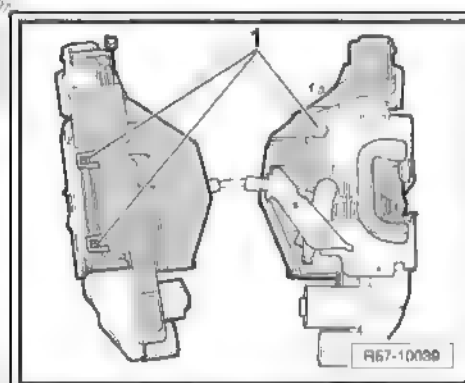


◆ Pliers -VW 5161A-

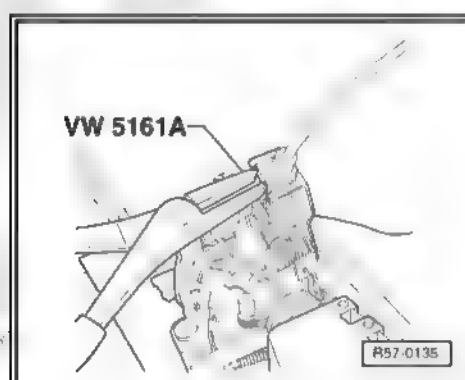


1.23.1 Remove

- Remove the door lock ➔ [page 74](#) .
- Disengage locks -1- and separate the lock cover cap.
- Disengage bushing cable end.

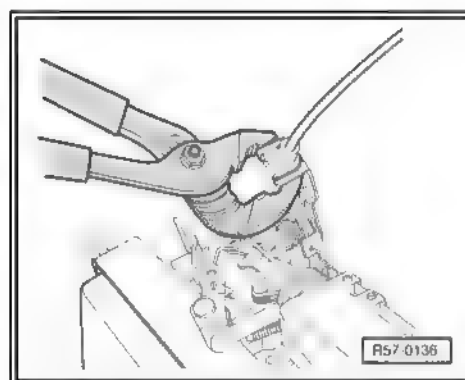


- Slightly open cable fitting support with pliers -VW 5161A- .
- Disengage the cable and remove it.



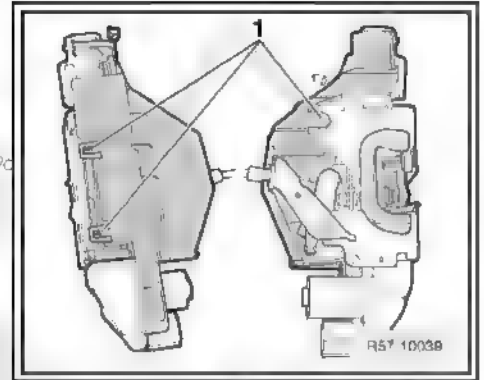
1.23.2 Install

- Fit cable to lock fitting support.
- Fit cable end to bushing.





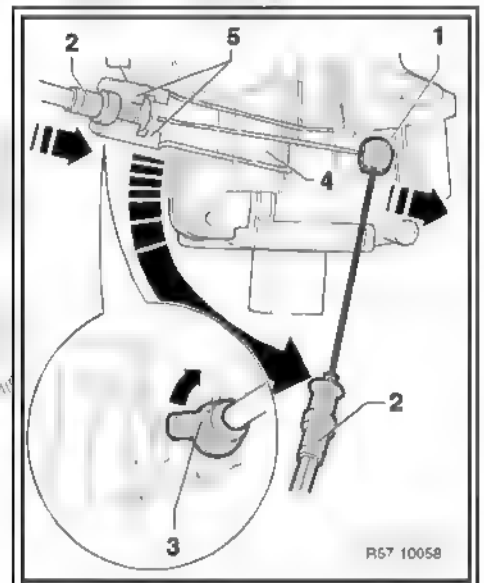
- Slightly tighten cable fitting support with pliers.
- Fit locks -1- of lock cover cap
- Install door lock ➔ [page 74](#) .



1.24 Lock operating cable (New Fox) - replace

1.24.1 Remove

- Remove the door lock ➔ [page 78](#) .
- Turn lock -3- on the cable cover by 90°
- Disengage the cable from locks -5- and move the cable -2- by 90° to align the cable fastener -1- with the grooves on the lock lever and remove it.
- Disengage and remove the cable.



1.24.2 Install

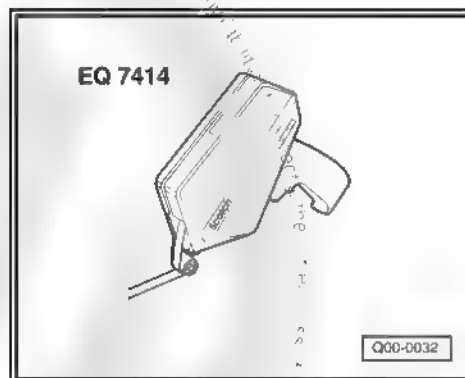
- Installation is performed in the reverse sequence to the removal.

1.25 Door sealing membrane - remove and install

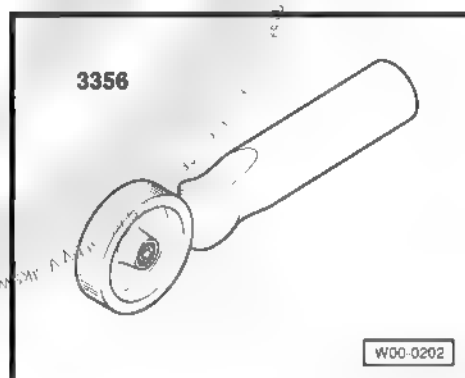
Special tools and workshop equipment required



◆ Transferable adhesive tape applicator -EQ 7414-



◆ Pressure roll -3356-



1.25.1 Remove

- Remove the door lining ⇒ Body - Internal assembly work; Rep. gr. 70 ; Linings / insulations - Door linings - remove and install .
- Remove the adhesive tapes or the plastic belts -325 971 739.1- that fasten the membrane to the lock operating cable and wiring harnesses.
- Remove bushings -1- with the ejector lever -80-200- .
- Detach the sealing membrane and remove it.



Note

Write down on the membrane the number of times it has been removed, 1st, 2nd or 3rd time.

- Remove any remaining adhesive from the internal door panel using the cleaning solution -D 009 401 04- .



Note

Moisten a cloth with the cleaning solution -D 009 401 04- and gently apply it over the affected area. Allow the product to work for a moment and then rub towards the center starting from the edges. Repeat the operation if necessary. Next, rub the surface with a cloth until it is completely dry.



1.25.2 Install



Note

- ◆ Polypropylene film with thickness of $0,2 \pm 0,02$ mm. Adhesive strength ≥ 4 N/cm.
- ◆ The membrane has an sensitive acrylate-based adhesive coating that ensures it can be removed up to 3 times without affecting the adhesive performance. If the adhesive coating is damaged, that is, removed by the fourth time, install the membrane by using transferable adhesive tape \Rightarrow Chemicals Manual as indicated below.
- ◆ The membrane may be reinstalled if there is no damage such as stretching or wrinkles which can fatally compromise the seal against water and dust.
- ◆ Apply transferable adhesive tape \Rightarrow Chemicals Manual to the internal door panel (membrane adhesion area) with the transferable adhesive tape applicator -EQ 7414-, in case of loss of membrane adherence.
- Install the membrane by passing the cable and harnesses through the holes and paste it to the internal door panel.
- Press the door sealing membrane with the pressure roll -3356-.
- Fasten the sealing membrane to the lock operating cable and wiring harnesses.



Note

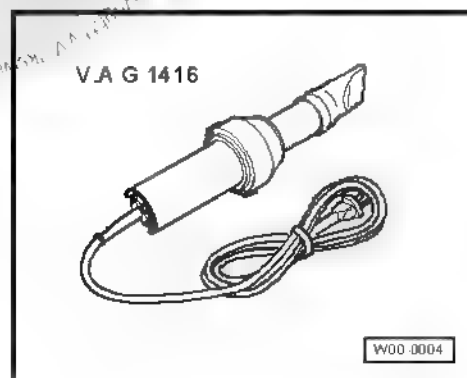
Cut the excess of the plastic belts -325 971 739.1-, after installing them.

- Install the door lining \Rightarrow Body - Internal assembly work; Rep. gr. 70; Linings / insulations - Door linings - remove and install.

1.26 Door sealing packings - assembly overview

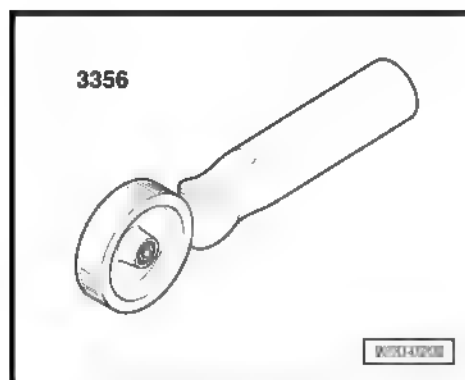
Special tools and workshop equipment required

- ◆ Hot air blower -VAG 1416-

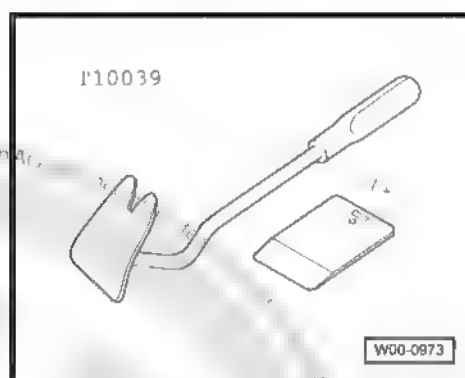




◆ Pressure roll -3356-



◆ Wedge -T 10039/1-





1 - Double-sided tape

- ☐ The adhesive tape adhesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched.
- ☐ when assembling a new external packing, remove double-sided tape liner.

2 - External door packing

- ☐ self-adhesive
- ☐ remove and install
⇒ [page 87](#)

3 - Internal door packing

- ☐ covered on lower section by threshold trim
- ☐ remove and install
⇒ [page 89](#)

4 - Threshold trim

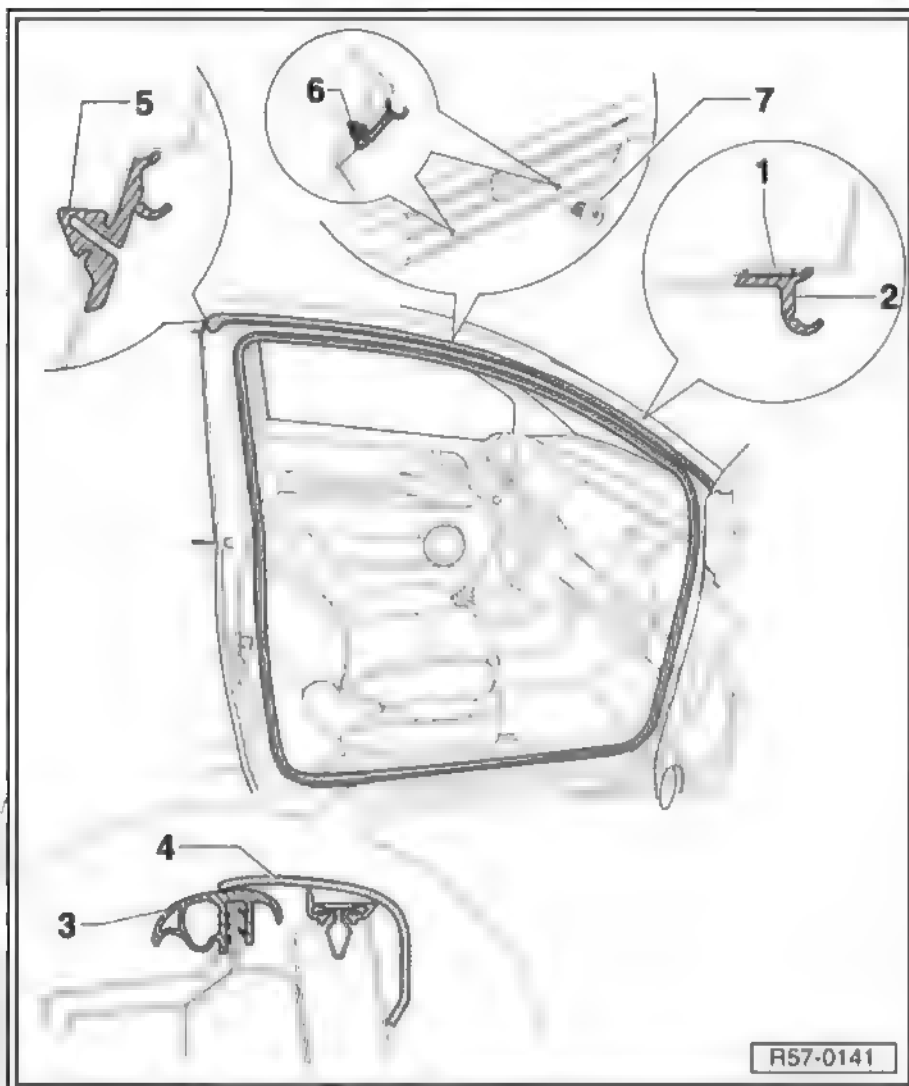
- ☐ remove and install ⇒
General body repairs,
interior; Rep. gr. 68; in-
ternal equipment

5 - Door external packing fitting (rear section)

6 - Door external packing fitting (rack area)

7 - Pin

- ☐ under pressure > 02.05
- ☐ threaded 03.05 >



1.27 External door packing - remove and install

1.27.1 Remove

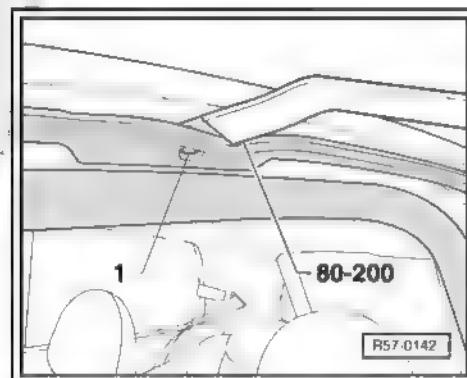
- Remove fastening pin with ejector lever -80-200-



Note

Removable with ejector lever -80-200- only for vehicles manufactured until 02.05. Pin for vehicles manufactured from 03.05 is threaded

- Heat up packing with the hot air blower -VAG 1416-
- Detach packing using wedge -T 10039/1-

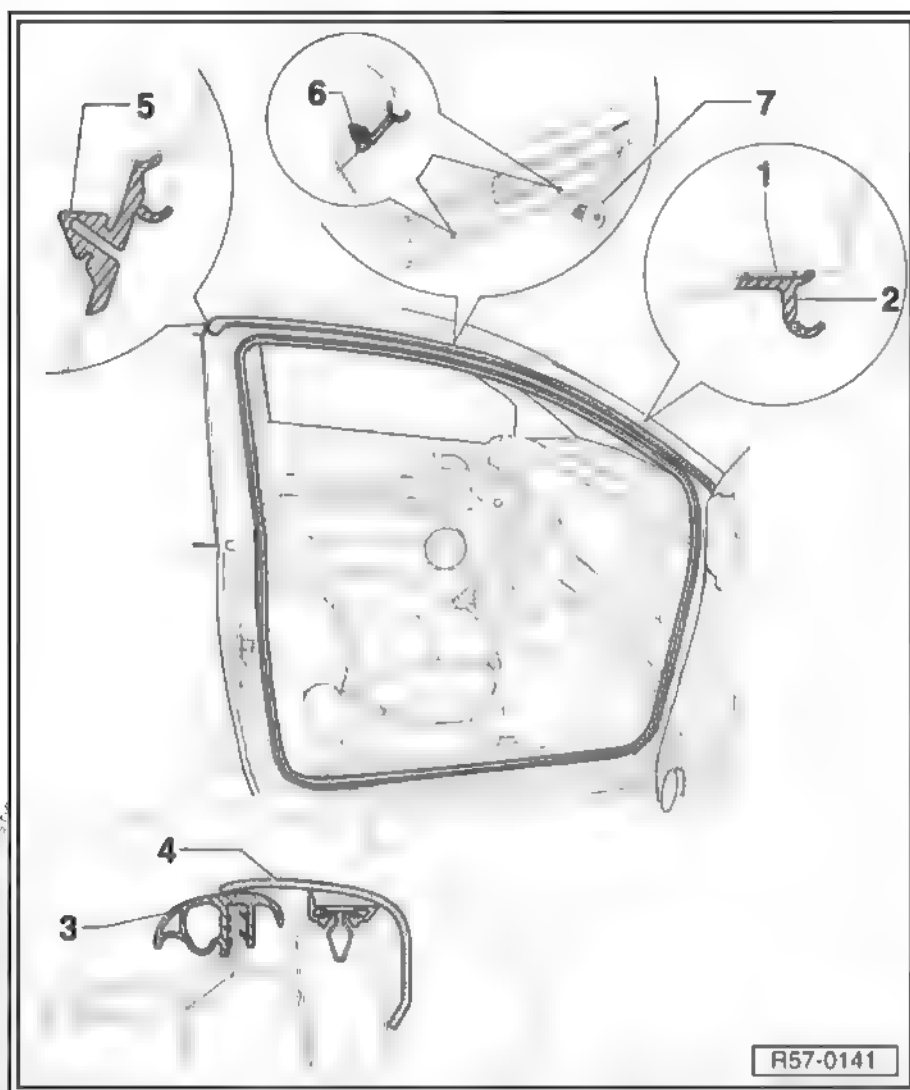


1.27.2 Install

- Clean door frame in the adhesion area with adhesive remover -D 002 000 10-, then apply cleaning solution -D 009 401 04-. Dry the section with a dry cloth.



- Heat up packing adhesive tape and door frame in the assembly section with the hot air blower -VAG 1416- at a temperature between 30 - 40 °C



- Press packing -6- fitting and then press packing -5- fitting onto door frame holes.
- Remove double-sided tape lining -1- and glue packing by firmly pressing it (above 10 N) with a pressure roll -3356-. Only move the pressure roll in one direction.



Note

Do not move it back and forth

- Install pin -7-.



Note

After assemble, the door must be kept open for a minimum period of 30 minutes so that the door's pressure on packing do not lead to premature packing detaching.



1.28 Internal door packing - remove and install

1.28.1 Remove

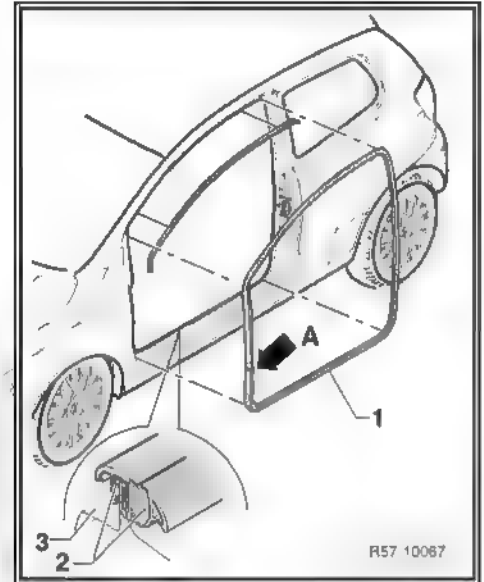
- Remove front door threshold trim ⇒ General body repairs, interior; Rep. gr. 68 ; Internal Equipment .

1.28.2 Install



Note

- ◆ For partially removed packing -1-, it is necessary to press the packing sides -2- before the assembly
- ◆ The installation of the new part shall be made by slightly tapping with a rubber hammer for engaging the packing -1- on flange -3-
- The vulcanized splice of the packing shall be mounted close to the lock operating lever in the bonnet -arrow A-
- Slightly press packing with a rubber hammer.
- Install front door threshold trim ⇒ General body repairs, interior; Rep. gr. 68 ; Internal Equipment .



1.29 Cylinders and keys (Specific information for Brazil) - request

The key may be requested to the parts department with the original key mechanical code. For this purpose, follow the instructions in the Parts Circular Letter, number 156, of June 2004.

Full cylinders may be requested via fax number (5511) 4347-3652, by sending every information about the vehicle (chassis number, original key mechanical code, etc.)



2 Central locking

2.1 Central locking installation location overview - 2-door

1 - Contact switch in front bonnet / alarm system motor lid - F120-

- ☐ Installation location: on the right side of the engine compartment

2 - Connection

- ☐ Location: A-pillar
- ☐ turn halves to disengage connector.

3 - Motor for passenger window activation -V148-

- ☐ remove:
 - Remove the door lining
⇒ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation
 - Remove window activation motor .

4 - Right front door lock

- ☐ Fox: Replaceable Central locking system motor for passenger door - V303- .
- ☐ New Fox : Central locking system motor for passenger door -V303- integrated to lock.
- ☐ remove:
 - Remove the door lining
⇒ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation

- Remove the door lock ⇒ [page 74](#) .

5 - Rear door unlocking motor -V139-

- ☐ fastened to bonnet support
- ☐ remove and install

6 - Rear door latch

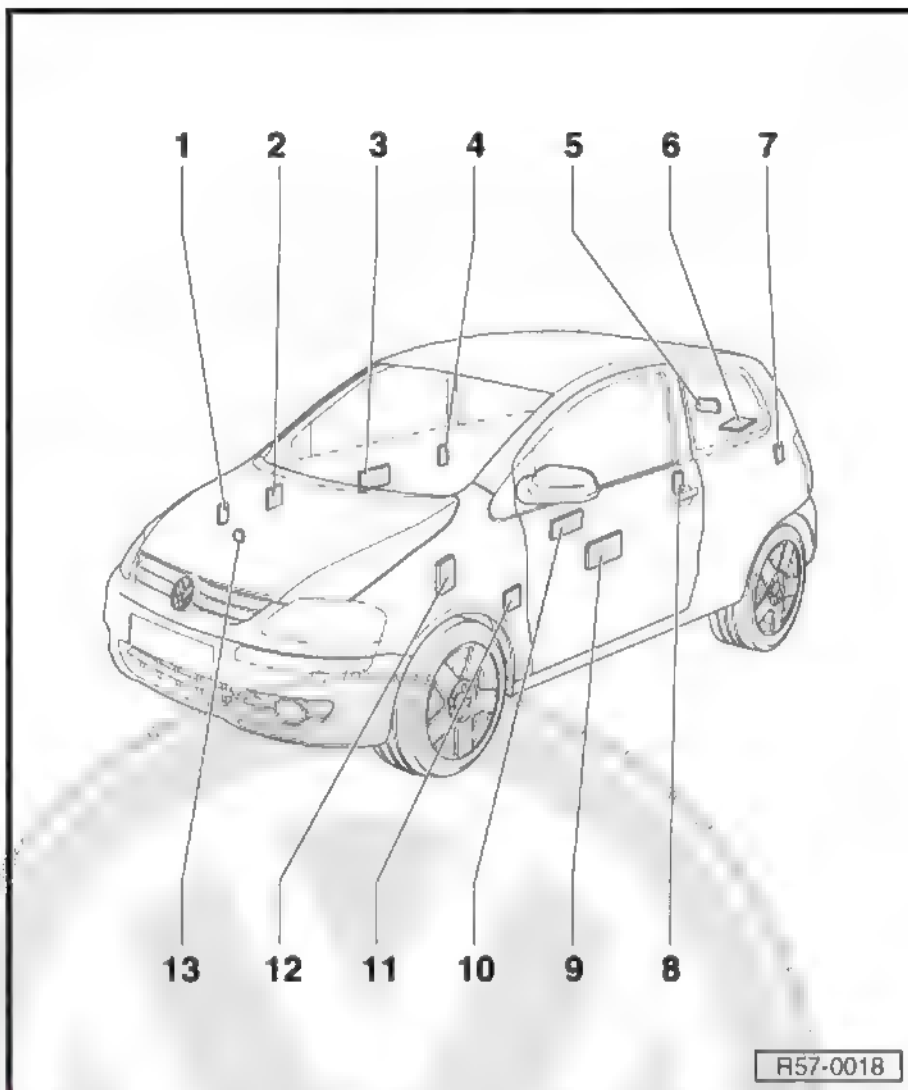
- ☐ fastened to bonnet
- ☐ remove and install

7 - Connection

- ☐ Location: on the rear door, behind the rear door lining
- ☐ Remove and install the rear door lining ⇒ General body repairs, interior; Rep. gr. 70 ; Linings / insulations

8 - Left front door lock

- ☐ Fox: Replaceable Central locking system motor for driver door -V302- .
- ☐ New Fox : Central locking system motor for driver door -V302- integrated to lock





- ☐ remove:
 - Remove the door lining ➤ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation
 - Remove the door lock ➤ [page 74](#) .

9 - Driver window control motor -V147-

- ☐ remove:
 - Remove the door lining ➤ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation
 - Remove window activation motor .

10 - Command unit

- ☐ Right front window activation switch on driver's side -E81-
- ☐ Switch for rear view mirror adjustment -E43-
- ☐ Switch for window activation on passenger's door -E107-
- ☐ installed on door lining.
- ☐ remove:
 - Remove the door lining ➤ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation

11 - Connection

- ☐ Location: A-pillar
- ☐ turn halves to disengage connector.

12 - Central control unit for the convenience system -J393-

- ☐ assembled in a support in the central dashboard support
- ☐ Location: below dashboard at driver's side, and above the accelerator pedal (in vehicles with steering wheel at the right, above the clutch pedal)

13 - Alarm system horn -H8-

- ☐ Location: on the right side of the engine compartment



2.2 Central locking installation location overview 4-door

1 - Contact switch in front bonnet / alarm system motor lid - F120-

2 - Connection

- ☐ Location: on the right side of the engine compartment
- ☐ Location: A-pillar
- ☐ turn halves to disengage connector.

3 - Motor for passenger window activation -V148-

- ☐ Remove the door lining
⇒ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation
- ☐ Remove the window drive motor

4 - Right front door lock

- ☐ Remove the door lining
⇒ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation
- ☐ Remove the door lock

5 - Connection

- ☐ Location: B-pillar
- ☐ To disconnect the connector, you must remove the protection belows

6 - Right rear window control motor -V27-

- ☐ Door control unit in vehicles with convenience system
- ☐ Integrated to the window drive motor
- ☐ Remove the door lining ⇒ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation
- ☐ Remove right rear window control motor -V27-

7 - Right rear door lock

- ☐ The electric central locking is integrated to the door lock module
- ☐ Remove the door lining ⇒ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation

8 - Rear door unlocking motor -V139-

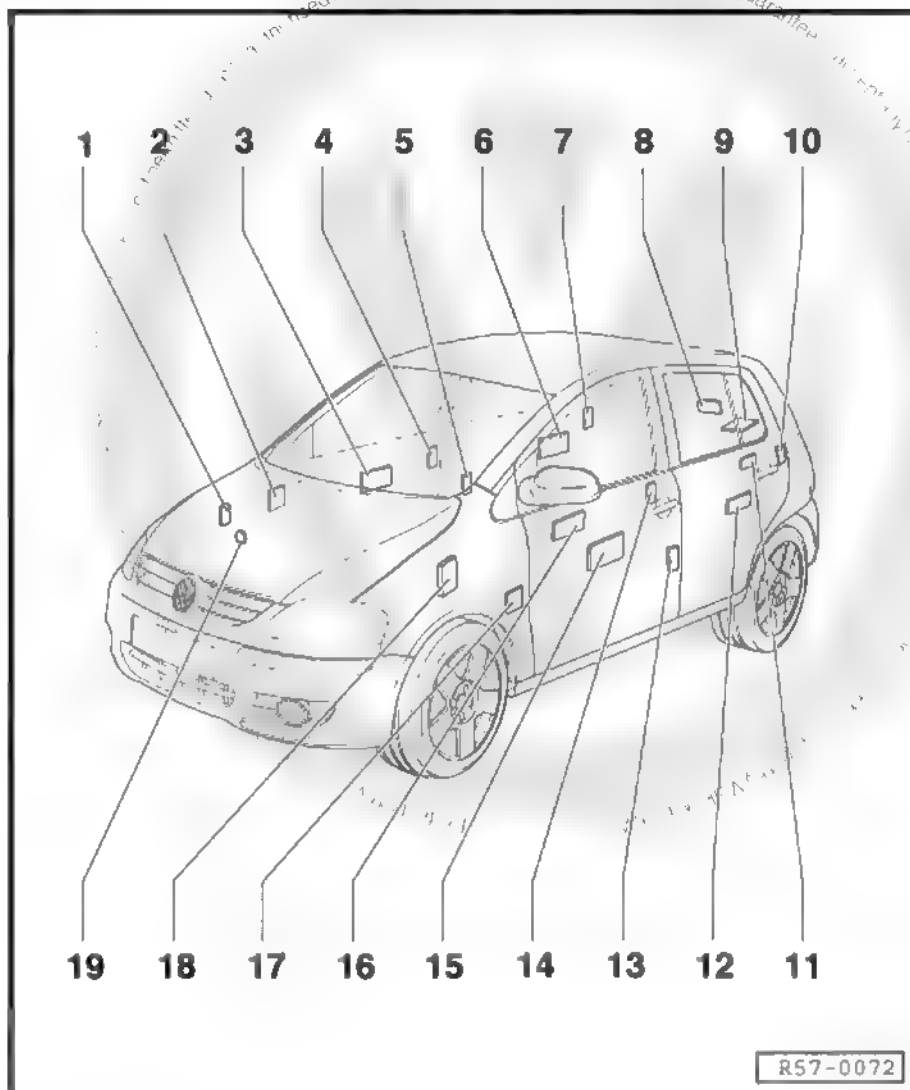
- ☐ Installed on a rear door support
- ☐ Remove and install
- ☐ Remove the door lock

9 - Bonnet latch

- ☐ Installed on bonnet
- ☐ Remove and install

10 - Connection

- ☐ Location: on the rear door, behind the rear door lining
- ☐ Remove the rear door lining ➤ Body - Internal assembly works, Rep. gr. 70 ; Lining / insulation





11 - Left rear door lock

- ☐ The electric central locking is integrated to the door lock module
- ☐ Remove the door lining ➤ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation
- ☐ Remove the door lock

12 - Left rear window control motor -V26-

- ☐ Integrated to the window drive motor
- ☐ Remove the door lining ➤ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation
- ☐ Remove the window drive motor

13 - Connection

- ☐ Location: B-pillar
- ☐ To disconnect the connector, you must remove the protection bellows

14 - Left front door lock

- ☐ The electric central locking is integrated to the door lock module
- ☐ Remove the door lining ➤ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation
- ☐ Remove the door lock ➤ [page 74](#)

15 - Driver window control motor -V147-

- ☐ Door control unit in vehicles with convenience system
- ☐ Integrated to the window drive motor
- ☐ Remove the door lining ➤ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation
- ☐ Remove the window drive motor

16 - Command unit

- ☐ Installed on door lining
- ☐ Remove the door lining ➤ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation

17 - Connection

- ☐ Location: A-pillar
- ☐ turn halves to disengage connector.

18 - Central control unit for the convenience system -J393-

- ☐ Assembled in a support in the central dashboard support
- ☐ Installation location: below the dashboard, on the driver's side, and above the accelerator pedal (in vehicles with steering wheel at the right, above the clutch pedal)

19 - Alarm system horn -H8-

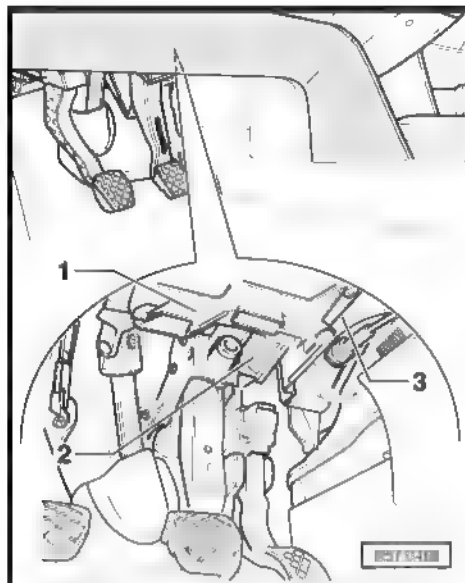
- ☐ Location: on the right side of the engine compartment



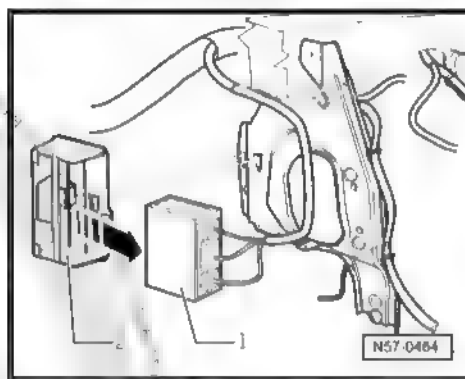
2.3 Central control unit for convenience system -J393- - remove

The command unit for convenience system -2- is located on a plastic support installed on the dashboard central support -3-.

- Remove the baffle -1- for the foot area at the driver's side ➤ Heating - ventilation; Rep. gr. 85 ; Ventilation .



- Pull -arrow- the command unit for convenience system -J393- -1- out of support -2- and disconnect connector.



2.4 Remote-command key (Fox) - assembly overview



1 - Remote control switches housing body

2 - LED

- ☐ This LED must light up when remote control is activated
- ☐ If LED does not light up when remote control is activated, it means battery discharged. It must be replaced.

3 - Print circuit and switches

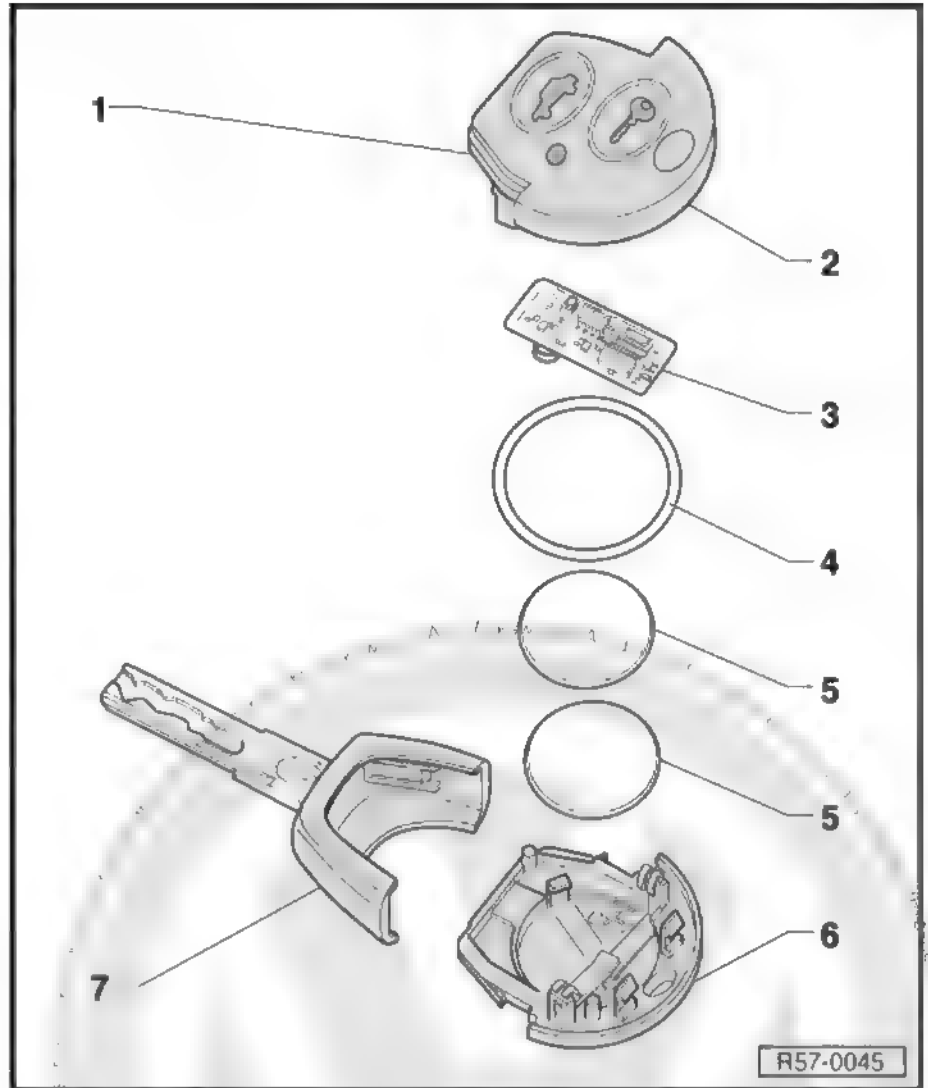
4 - Sealing ring

5 - Tablet battery

- ☐ two 3-V serial batteries
- ☐ As from 03.09, chassis 94140941, remote control has only one 3-V battery
- ☐ remove and install
⇒ [page 95](#)

6 - Battery housing body

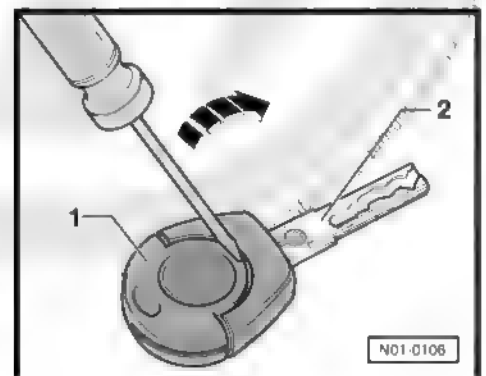
7 - Key



2.5 Batteries for remote-command key (Fox) - remove and install

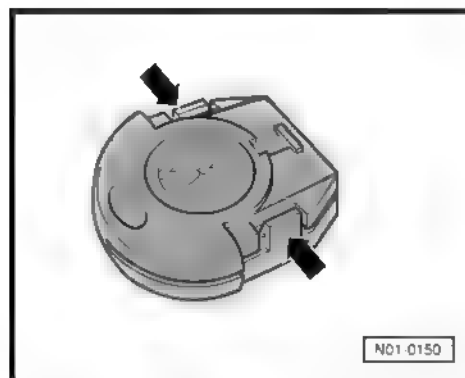
2.5.1 Remove

- Put a screwdriver on body opening -1- opposite side from switches.

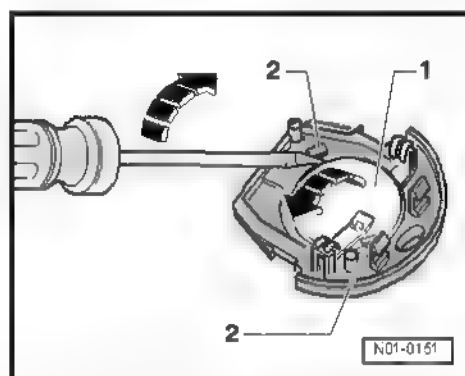




- Move screwdriver towards the arrow, and separate key bodies -2-.



- Unlock locks -arrows- with a screwdriver.
- Disengage upper battery -1- from supports -2- with a screwdriver towards the arrow.



2.5.2 Install



Note

As from 03.09, chassis 94140941, remote control has only one 3V battery.

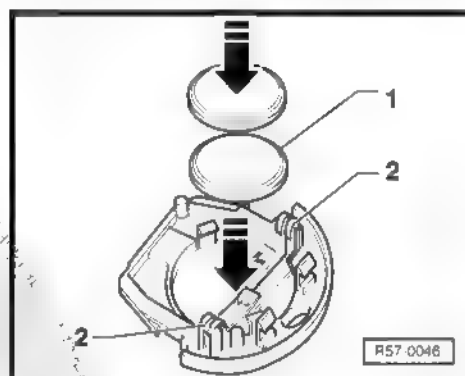
- Put the first battery -1- with positive pole up into the battery housing body. Then, put the second battery the same way as the first one until locks -2- lock.



Note

Pay attention to polarity and assembly position when installing the battery.

- Carefully press remote control switch housing body against the battery housing body so as to prevent damage to sealing.
- Fit key.



2.6 Radio Remote-command key battery (articulated - New Fox) - remove and install



1 - Key with variable code transponder

2 - Remote command via radio
- upper section

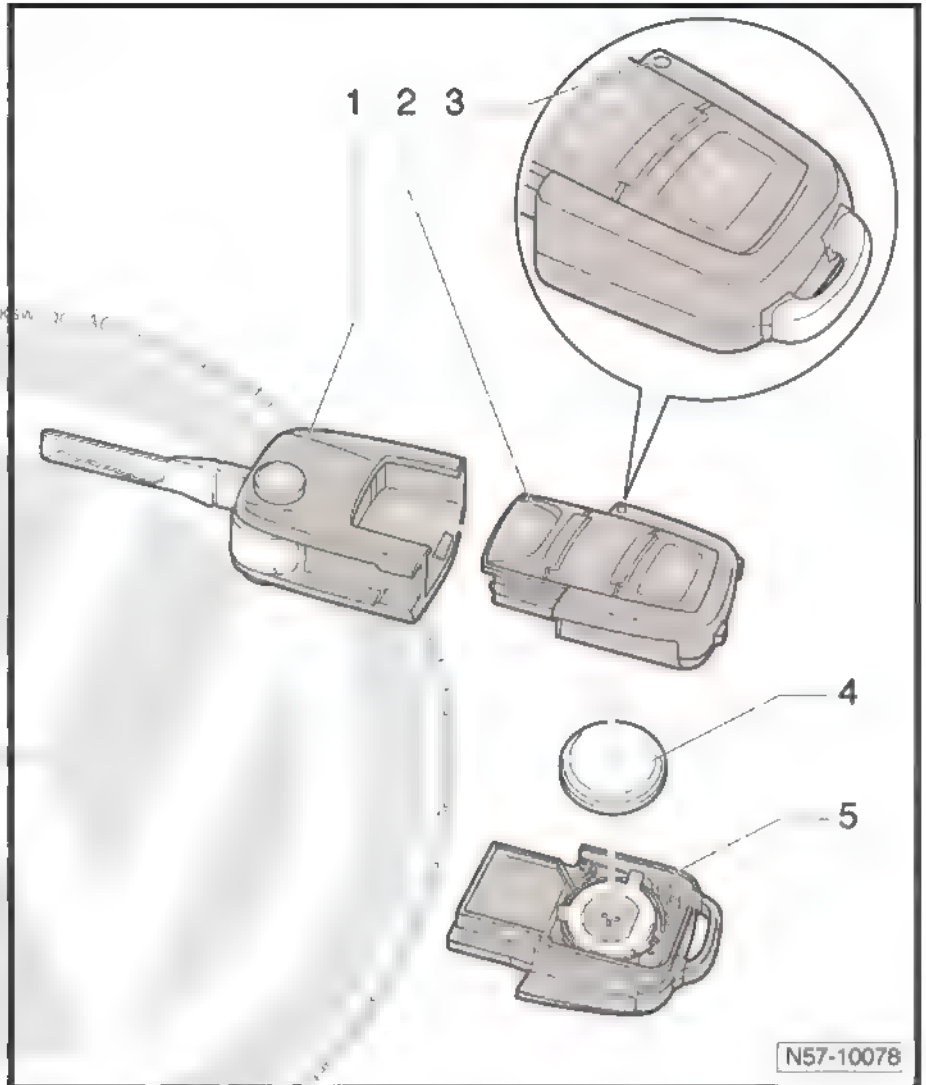
3 - Light emitting diode (LED)

- ☐ The diode lamp must blink when the remote command is activated.
- ☐ If the diode lamp does not blink when the remote command is activated, the battery is discharged and must be replaced.

4 - Battery

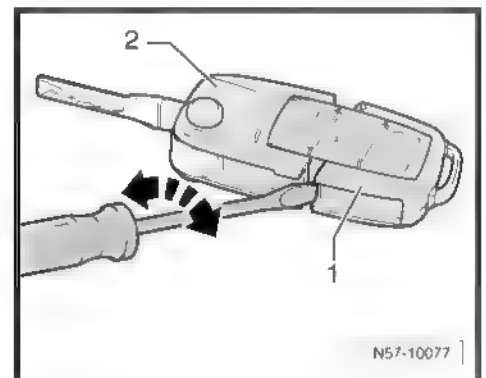
- ☐ Remove the battery
⇒ [page 97](#)
- ☐ Install the battery
⇒ [page 98](#)

5 - Remote command via radio
- lower section



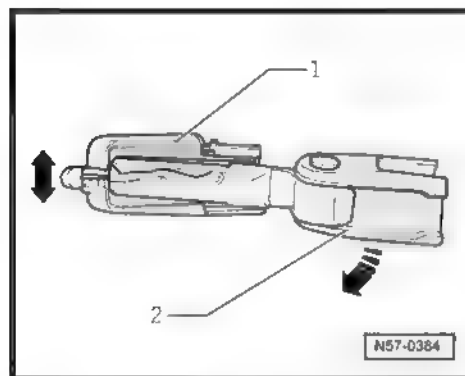
2.6.1 Remove

- Fit a screwdriver to the slot between the remote command via radio -1- and the key -2-.

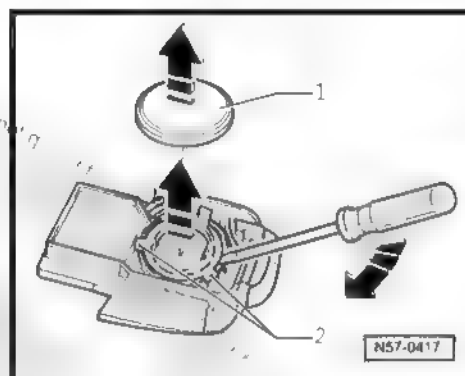




- Turn the screwdriver towards the -arrow- to separate the remote command via radio from the key.



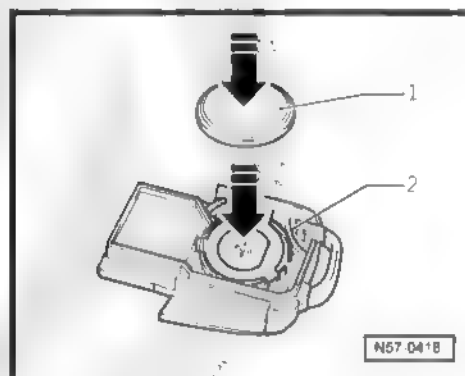
- Open the remote command via radio -1- with the key body -2-.
- Disengage the battery -1- from the fastenings -2- with a screwdriver, towards the -arrow-.



2.6.2 Install

When installing the battery, pay attention to the polarity and the assembly position.

- Place the battery -1- in the remote command via radio -2- with the positive pole facing down (the positive pole is indicated on the box).
- By slightly pressing the battery, it fits to the remote command via radio.
- Place the lid in the remote command via radio (do not damage the joint).
- Fit the remote command via radio to the key.



2.7 Adapting keys with remote control

Adapting keys with remote control is performed with the Diagnosis, Measurement and Information System -VAS 5051A/52-.

- Select, in the Diagnosis, Measurement and Information System -VAS 5051A/52-, the „Assisted troubleshooting“.
- Select the "Component selection" function through the Sprung key, and sequentially the following menu options:
 - ◆ Body
 - ◆ Body assembly works
 - ◆ 01 - Self-diagnosis systems
 - ◆ Convenience system
 - ◆ Functions - Convenience system
 - ◆ Adapting keys with remote control



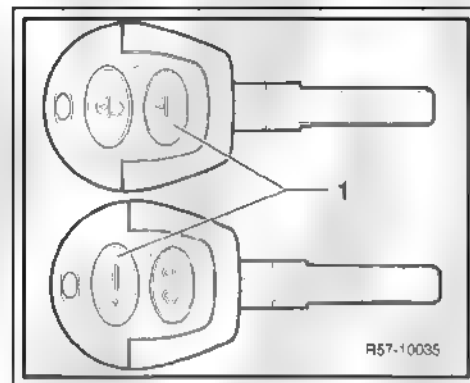
2.8 Key (Fox) - synchronize

The key synchronization is required when some key is pressed out of the sphere of action of the system.

- Turn the ignition key on by using the backup key
- Insert the key with remote control into the driver's side door cylinder. Turn it counterclockwise and keep it in this position.
- Press the key -1- continuously until achieving the synchronism that will be noticed through the automatic locking and unlocking of the doors.

The Central control unit for convenience system -J393- stores until two synchronizations. In order to perform a third synchronization, it is required to reset the unit through Diagnosis, Measurement and Information System -VAS 5051A /52- .

- ◆ „46 - Convenience system central module.“
- ◆ „Function 10 - Adapting“
- ◆ „Channel 11“, reset.



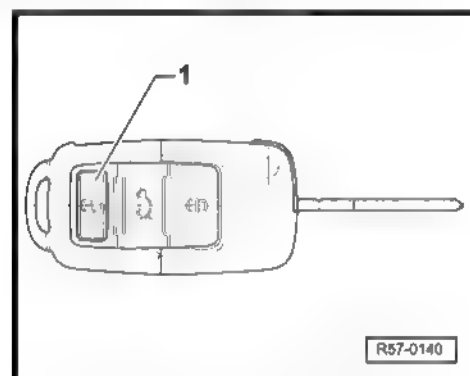
2.9 Key (New Fox) - synchronize

The key synchronization is required when some key is pressed out of the sphere of action of the system.

- Turn the ignition key on by using the backup key.
- Insert the key with remote control into the driver's side door cylinder. Turn it counterclockwise and keep it in this position.
- Press the key -1- continuously until achieving the synchronism that will be noticed through the automatic locking and unlocking of the doors.

The Central control unit for convenience system -J393- stores until two synchronizations. In order to perform a third synchronization, it is required to reset the unit through Diagnosis, Measurement and Information System -VAS 5051A /52- .

- ◆ „46 - Convenience system central module.“
- ◆ „Function 10 - Adapting“
- ◆ „Channel 11“, reset.





58 – Rear passenger doors/components

1 Rear passenger doors

1.1 Rear passenger doors (Fox) - assembly overview

1 - Locking button

- ❑ Installed on the locking rod up to the buffer
- ❑ On -locked door- position, the upper end of button shall be 19 mm above the door lining. On -unlocked door-position, the upper end of button shall be 29 mm above the door lining.

2 - Locking rod

3 - Inversion lever

- ❑ Replace ➔ [page 122](#)

4 - Command rod

5 - Internal door handle

- ❑ Remove and install ➔ [page 109](#)

6 - Lock activation cable

- ❑ Remove and install ➔ [page 123](#)

7 - Door lock

- ❑ Lubricate with low-temperature grease -G 052 745 A3-

8 - Screw (M6 x 10)

- ❑ Torque: 4 Nm

9 - Lock

- ❑ Remove and install ➔ [page 116](#)

10 - External handle

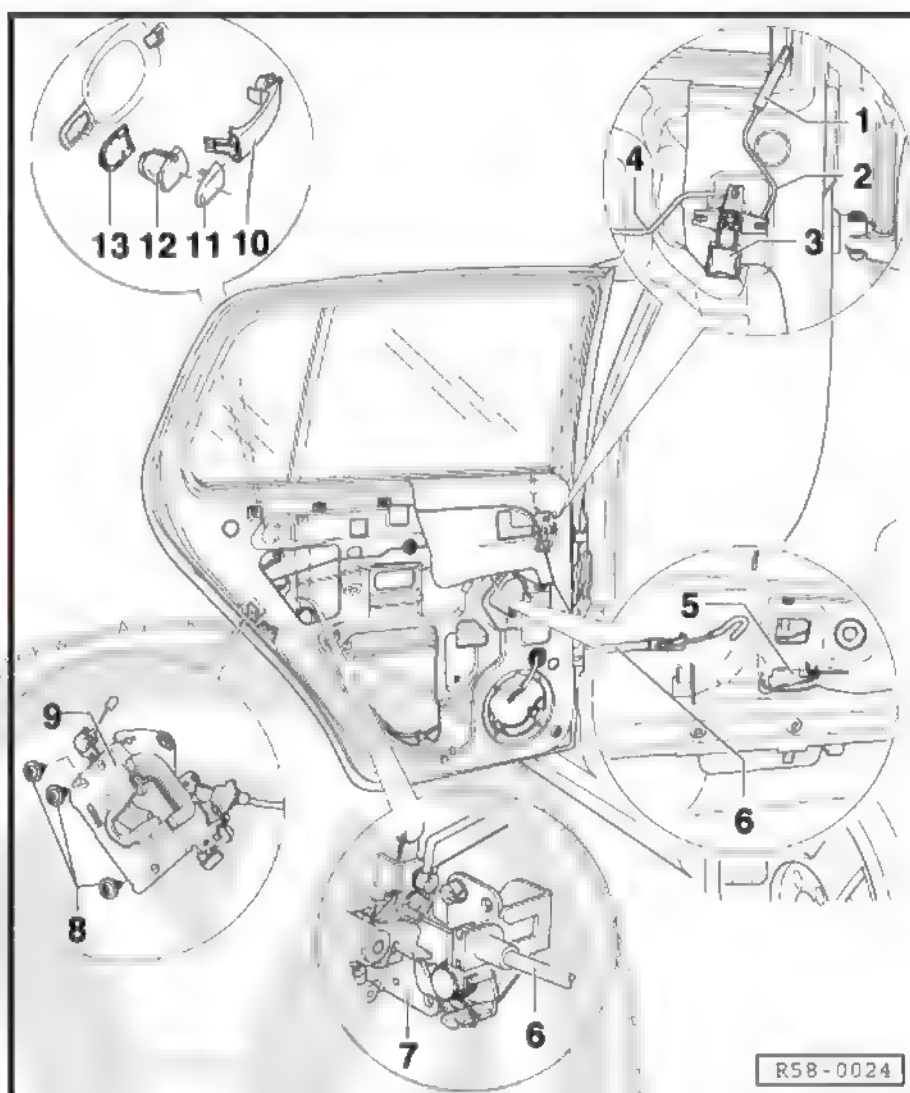
- ❑ Remove and install ➔ [page 113](#)

11 - Cover cap

12 - External handle housing

- ❑ Remove and install ➔ [page 112](#)

13 - Support



Rear passenger doors assembly overview - continued



1 - Screw

- ☐ M 8
- ☐ Torque: 20 Nm + 1/4 (90°)
- ☐ They must be replaced whenever loosen or removed

2 - Screw

- ☐ M 8
- ☐ Torque: 20 Nm + 1/4 (90°)
- ☐ They must be replaced whenever loosen or removed

3 - Multi-tooth screw

- ☐ M 8
- ☐ Torque: 20 Nm + 1/4 (90°)
- ☐ They must be replaced whenever loosen or removed

4 - Nut

- ☐ Torque: 14 Nm

5 - Hinge pin

6 - Door hinge

7 - Support

8 - Buffer

- ☐ Adjust ⇒ [page 107](#)

9 - Screw

- ☐ Torque: 20 Nm

10 - Screw

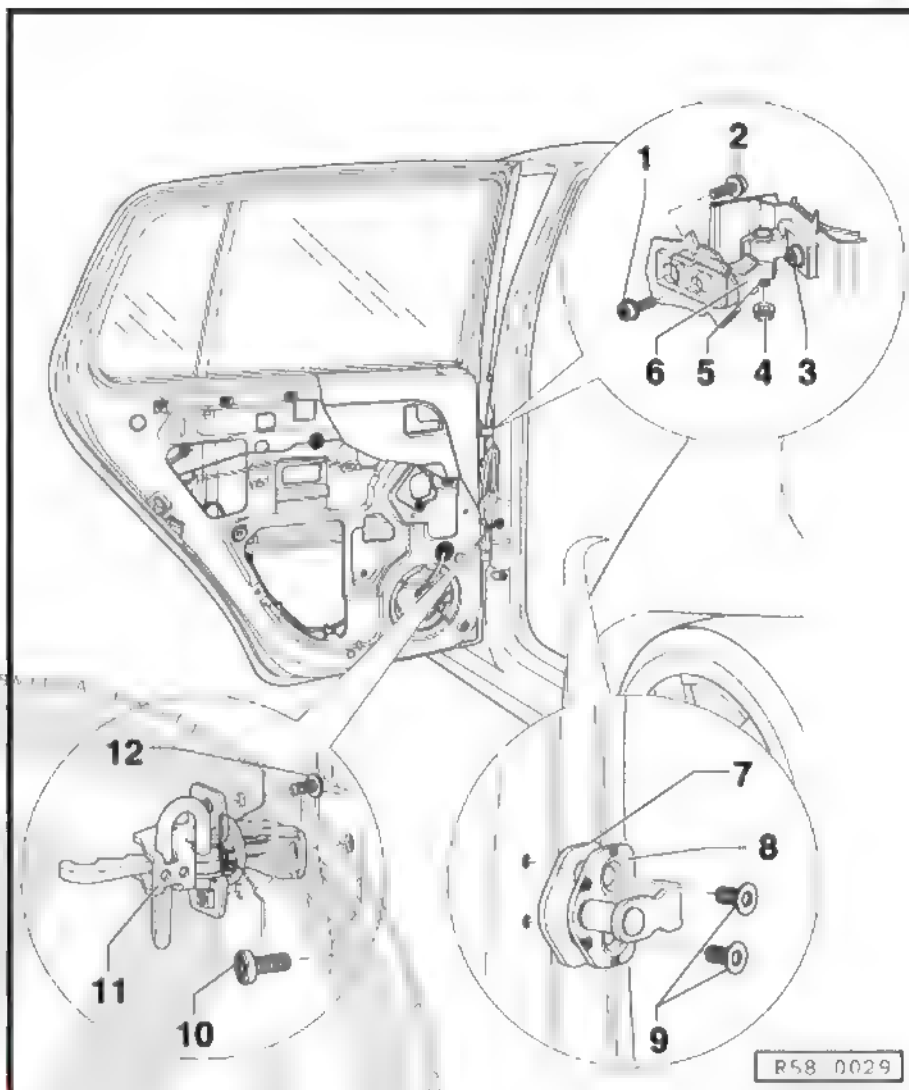
- ☐ Torque: 25 Nm

11 - Door limiter

- ☐ Remove and install ⇒ [page 108](#)

12 - Screw

- ☐ Torque: 6 Nm





1.2 Rear passenger doors (New Fox) - assembly overview

1 - External handle

- ☐ Remove and install
⇒ [page 111](#)

2 - Cylinder housing without lock cylinder

- ☐ Remove and install
⇒ [page 112](#)

3 - Cover cap

4 - Locking button

- ☐ Installed on the locking rod up to the buffer
- ☐ Position in relation to door lining ⇒ [page 125](#)

5 - Locking rod

6 - Eye

7 - Bushing

- ☐ replace if necessary

8 - Lock operating lever

9 - Screw

- ☐ Torque: 20 Nm

10 - Door lock

- ☐ Remove and install
⇒ [page 120](#)
- ☐ Lubricate with low-temperature grease -G 052 745 A3-

11 - Lock activation cable

- ☐ Remove and install
⇒ [page 124](#)

12 - Screw

- ☐ Torque: 25 Nm

13 - Door limiter

- ☐ Remove and install ⇒ [page 108](#)

14 - Screw

- ☐ Torque: 6 Nm

15 - Screw

- ☐ Torque: 20 Nm

16 - Door buffer

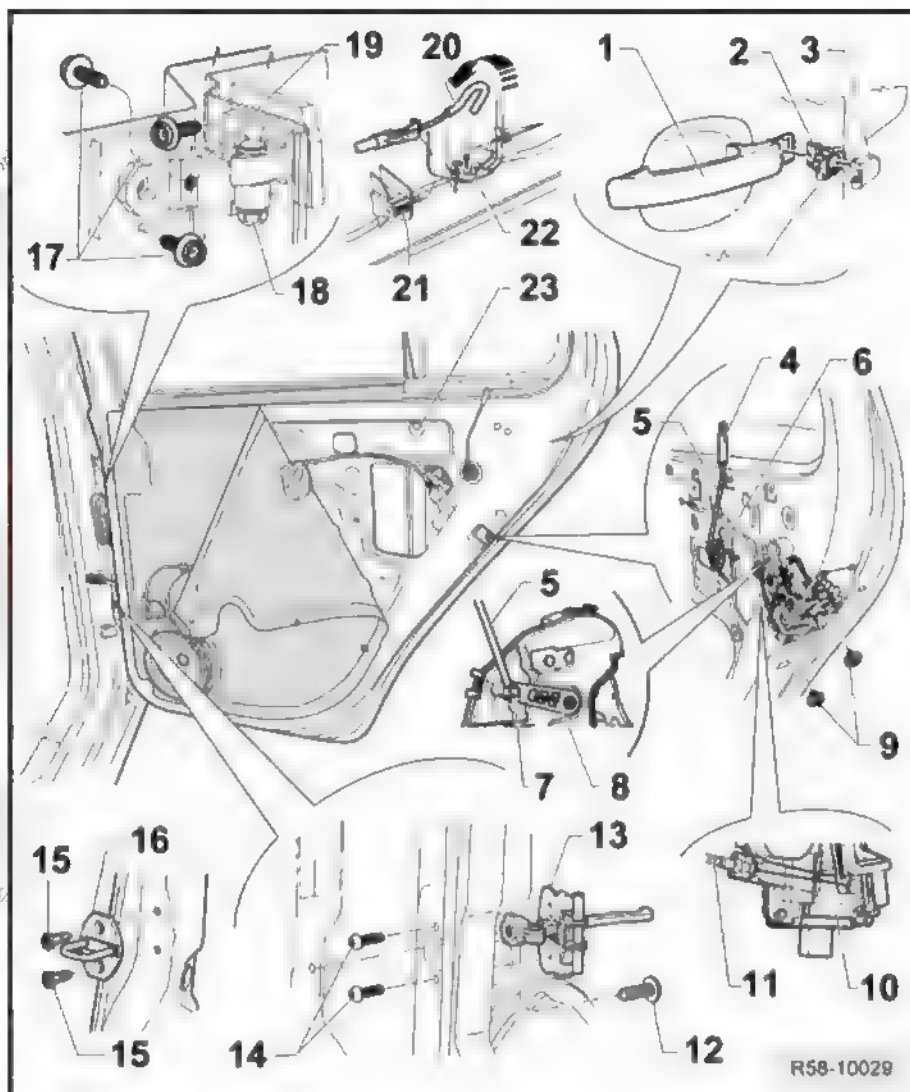
- ☐ Adjust ⇒ [page 107](#)

17 - Screws

- ☐ M 8
- ☐ Torque: 20 Nm + 1/4 (90°)
- ☐ They must be replaced whenever loosen or removed

18 - Nut

- ☐ Torque: 14 Nm





19 - Door hinge

- ☐ In two sections

20 - Hook of the lock activation cable

21 - Cable support

- ☐ on door lining

22 - Internal pull

23 - Door

- ☐ Remove and install ⇒ [page 103](#)
- ☐ Adjust ⇒ [page 105](#)
- ☐ Disassemble and assemble ⇒ [page 107](#)
- ☐ Replace ⇒ [page 107](#)

1.3 Rear passenger door - remove and install

Special tools and workshop equipment required

- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-

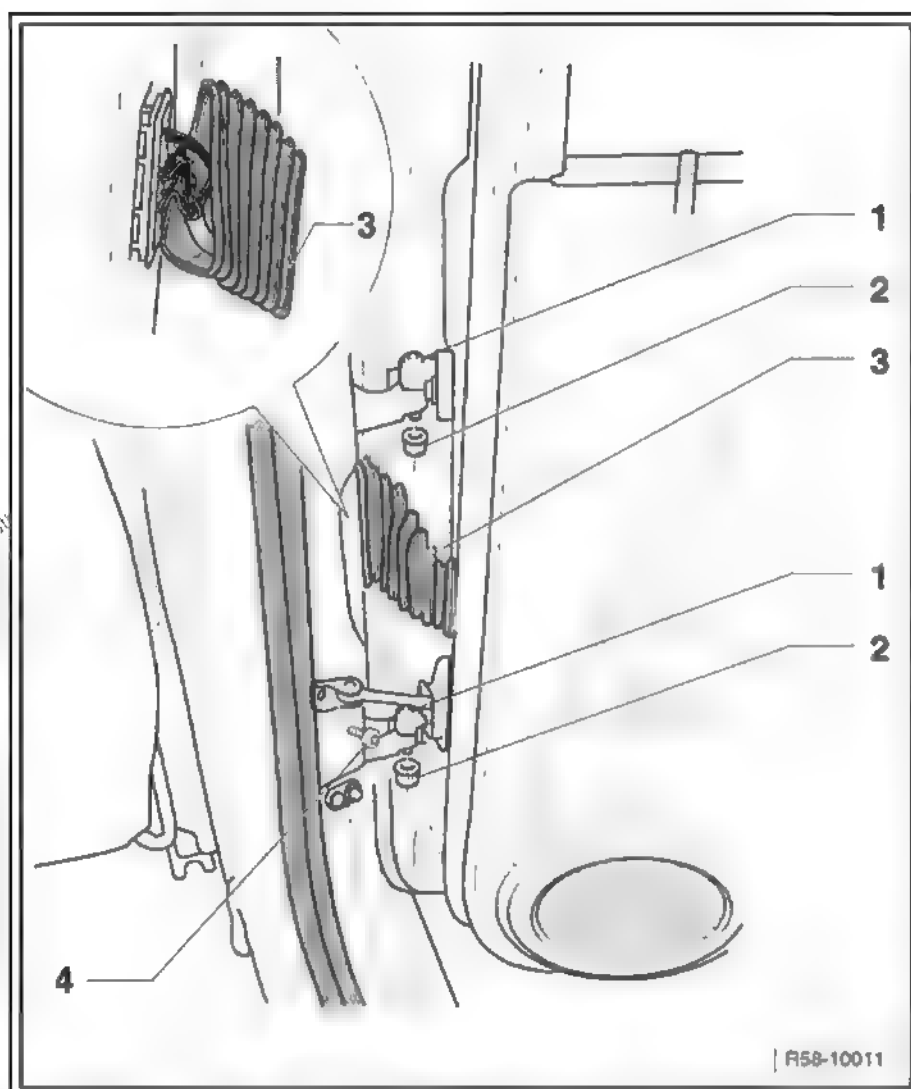
V.A.G 1331



W90-0427



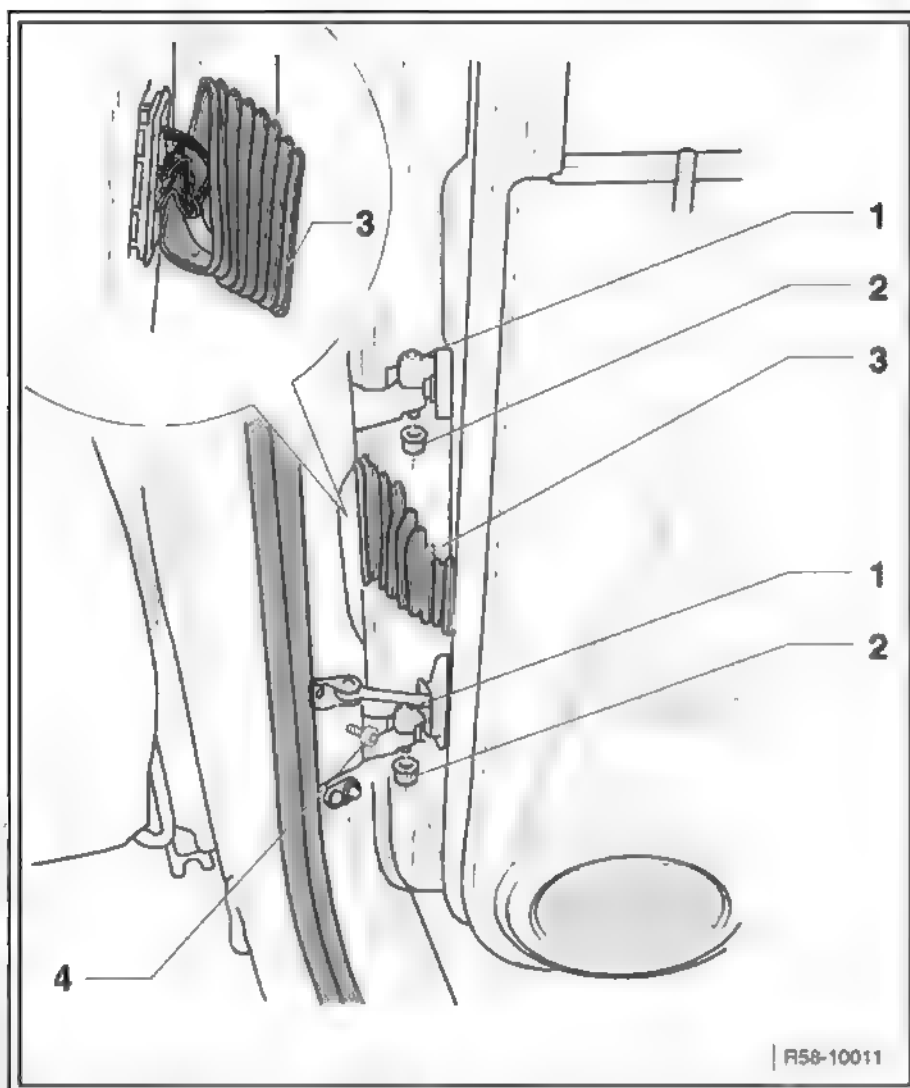
1.3.1 Remove



- Pull protection bellows -3- from B-pillar and disconnect electric connections of connector located on B-pillar.
- Remove nuts -2- from hinge pins -1-.
- Remove the screw -4- from the door limiter.
- Disengage door upward and out of hinge angle bars.

1.3.2 Install

Install is performed in the reverse sequence, observing the following:

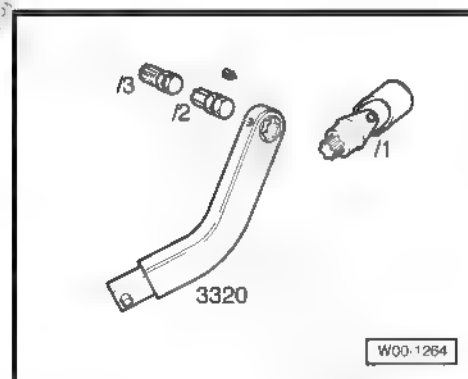


- Tighten the nuts -2- of the hinge pins to 14 Nm.
- Tighten the screw -4- of the door limiter to 25 Nm.

1.4 Rear passenger door - adjust

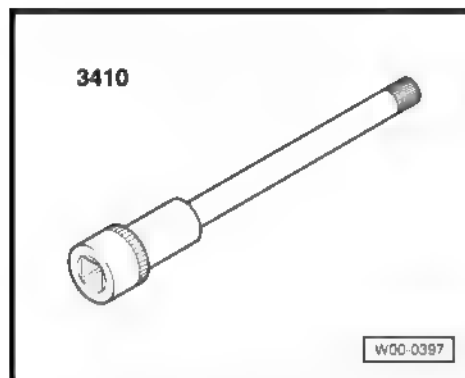
Special tools and workshop equipment required

- ◆ Key -3320-
- ◆ Multi-tooth bits -3320/3-





◆ Multi-teeth socket -3410-



◆ Torque wrench - 5 to 50Nm (enc. 1/2") -VAG 1331-



Note

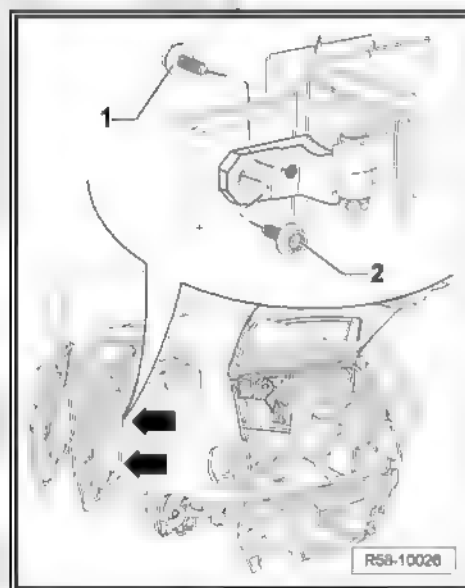
- ◆ *Vehicle must be supported by its wheels in order to correctly adjust the front door.*
- ◆ *The front door is correctly adjust when clearances are as specified ⇒ Body Repairs; Rep. gr. 00 ; Technical data - Body clearance dimensions when door is locked.*
- ◆ *Take anticorrosion protection measures on hinges and screws after reinstalling or adjusting.*

Screws -1- and -2- must be loosen on A-pillar in order to correctly adjust clearances.

- For screw -1- on lower door hinge, lower B-pillar lining must be removed: ⇒ Body - Internal assembly works; Rep. gr. 70 ; Lining/insulation Loosen screw with multi-tooth socket -3410- .
- For screw -1- on upper door hinge, upper B-pillar lining must be removed: ⇒ General body repairs, interior; Rep. gr. 70 ; Linings / insulations Loosen screw with multi-tooth socket -3410- .

For screw -2- , loosen it with wrench -3320- and multi-tooth bits -3320/3- .

Adjust the door buffer ⇒ [page 107](#) .





1.5 Rear passenger door - disassemble and assemble

1.5.1 Disassemble

- Remove the door lining ⇒ General body repairs, interior; Rep. gr. 70 ; Lining / insulation .
- Remove the door sealing membrane
- Remove the door window drive mechanism:
 - manual .
 - electric
- Remove the door window glass .
- Remove the rear door fixed window .
- Remove the internal and external door window glass linings.
- Remove the door window chute.
- Remove the external handle ⇒ [page 113](#) .
- Remove the locking pin rod and the inversion lever.
- Remove the lock ⇒ [page 116](#) .
- Remove the door limiter ⇒ [page 108](#) .
- Disconnect the protection bellows and remove the harness from inside the door.

1.5.2 Assembling

- Assembly is performed in the reverse sequence to disassembly.

1.6 Rear door - replace

1.6.1 Remove

- Disassemble the door ⇒ [page 107](#) .
- Remove the door ⇒ [page 103](#) .

1.6.2 Install

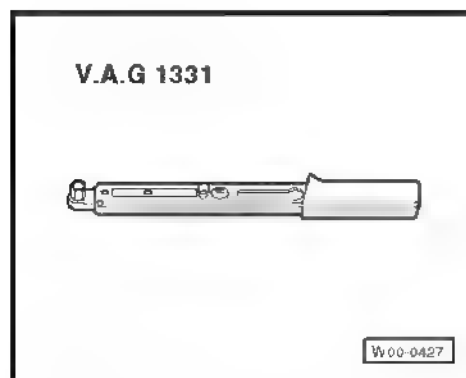
- Apply sealing/caulking to the door ⇒ Chemicals Manual .
- Install the door noise insulation ⇒ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation .
- Paint the door ⇒ Painting Manual .
- Install the door ⇒ [page 103](#) .
- Apply anti-corrosion fluid ⇒ Painting Manual .
- Assemble the door ⇒ [page 107](#) .

1.7 Door buffer - adjust

Special tools and workshop equipment required



- ◆ "Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-



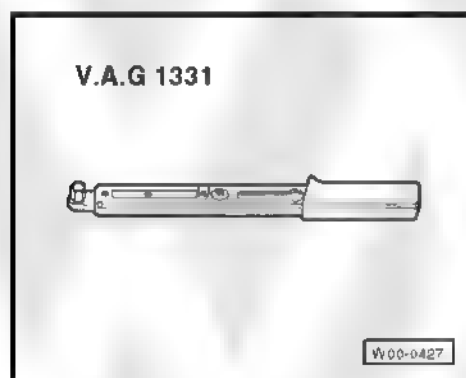
1.7.1 Adjust

- Loosen buffer fastening screws.
- Position and temporarily tighten the door buffer.
- Close the door and check the alignment with the body, based on the clearance dimensions specified ⇒ Body - Repairs; Rep. gr. 00 ; Technical data - Body clearance dimensions .
- Definitely tighten buffer to:
 - 20 Nm (T45)
 - New Fox - 20 Nm (multi-tooth)

1.8 Door limiter - remove and install

Special tools and workshop equipment required

- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-

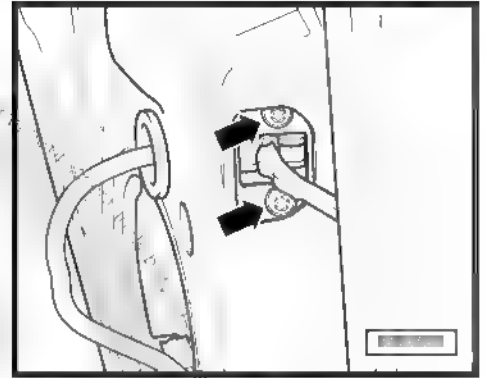


1.8.1 Remove

- Remove the door lining ⇒ General body repairs; interior; Rep. gr. 70 ; Lining / insulation .
- Remove the door sealing membrane ⇒ [page 126](#)
- Remove B-pillar limiter fastening screw (T-40).



- Remove fastening screws -arrows- from door limiter (T-30).
- Remove the limiter from inside the door



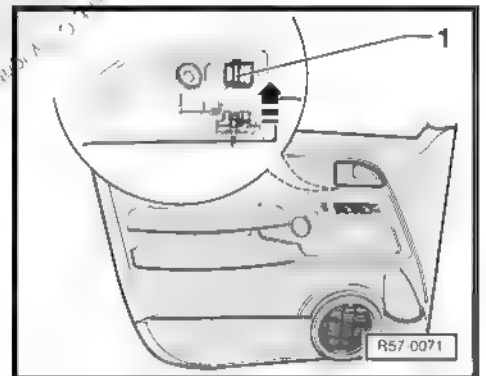
1.8.2 Install

- Installation is performed in the reverse sequence to the removal.

1.9 Internal handle (Fox) - replace

1.9.1 Remove

- Remove the door lining ⇒ General body repairs, interior; Rep. gr. 70 ; Lining/ Insulation .
- Disengage lock operating cable.
- Move handle joint pin -1- towards the arrow until hitting buffer on the door lining.
- Activate internal handle, loosen spring and disengage it from the door lining.



1.9.2 Install

- Installation is performed in the reverse sequence to the removal.

1.10 Rear door external handle and lock (Fox) - assembly overview

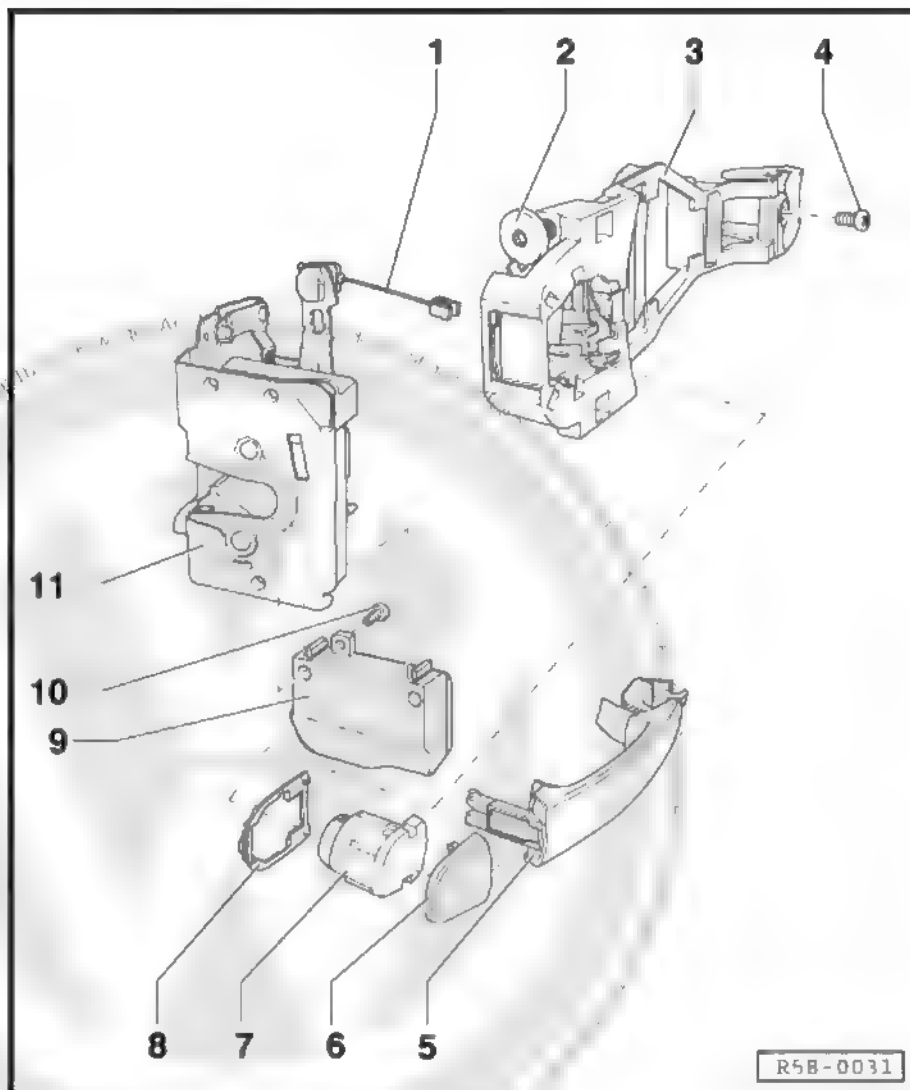


1 - Operating cable

- ☐ Lock unlocking.

2 - Torx screw

- ☐ Release with the Pin-cers -T10072-
- ☐ When releasing the screw, the fastening of the lock cylinder housing is unlocked -7-, and can be pulled out of the external handle support -3-
- ☐ The screw -2- cannot be tightened without the lock cylinder housing being inserted. The locking ring may fall inside the door.
- ☐ Torque: 4,5 Nm



-Zamak handle support, 4,5 Nm-

- ☐ Torque: -PA6 30 GF handle support, 2,5 Nm-

3 - External handle support

- ☐ Remove the lock cylinder case
- ☐ Remove the door handle
- ☐ Remove the door lining ⇒ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation
- ☐ Remove the sealing membrane in the door handle area.
- ☐ Release the screw -4-, push the external handle support a little backwards and remove it from the door.

4 - Screw

5 - Door handle

- ☐ Remove and install ➔ [page 113](#)
- ☐ Cover cap

6 - Cover cap

7 - Cylinder housing without lock cylinder

- ☐ Remove and install ➔ [page 112](#)

8 - Support

9 - Rear Left/right central locking system motor -V307/V308-

- ☐ Replace ➔ [page 125](#)



10 - Screw

11 - Door lock

- ☐ Remove and install ➔ [page 116](#)
- ☐ Lubricate with low-temperature grease -G 052 745 A3-

1.11 Rear passenger door external handle and lock (New Fox) - assembly overview

1 - External handle support

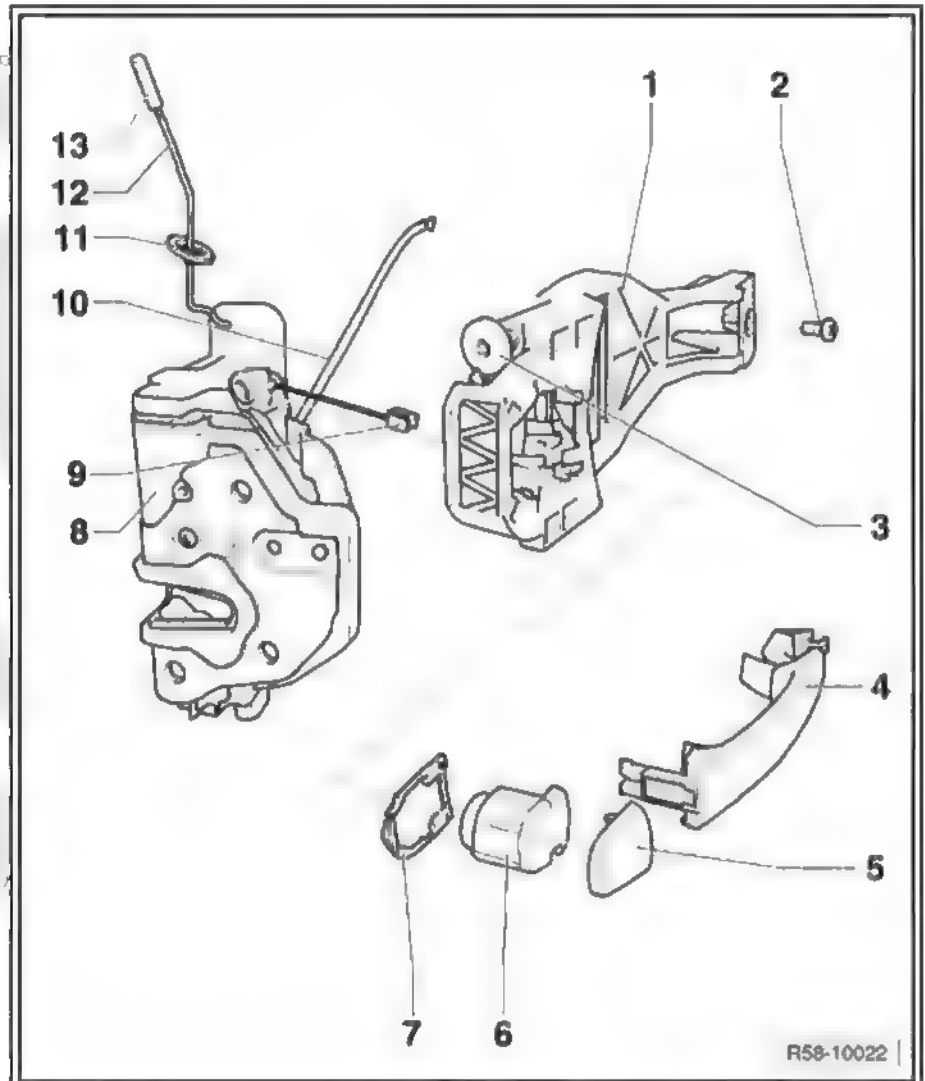
- ☐ Remove the lock cylinder case
- ☐ Remove the door handle
- ☐ Remove the door lining
⇒ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation
- ☐ Remove the sealing membrane in the door handle area.
- ☐ Release the screw -4-, push the external handle support a little backwards and remove it from the door.

2 - Screw

- ☐ 2.5 Nm

3 - Torx screw

- ☐ Release with the Pincers -T10072-
- ☐ When releasing the screw, the fastening of the lock cylinder housing is unlocked -7-, and can be pulled out of the external handle support
- ☐ The screw -2- cannot be tightened without the lock cylinder housing being inserted. The locking ring may fall inside the door.
- ☐ Torque: .



-Zamak handle support, 4.5 Nm-

- ☐ Torque: -PA6 30 GF handle support, 2.5 Nm-

4 - Door handle

- ☐ Remove and install ➔ [page 113](#)
- ☐ Cover cap

5 - Cover cap

6 - Cylinder housing without lock cylinder

- ☐ Remove and install ➔ [page 112](#)



7 - Sealing

8 - Door lock

- ☐ Remove and install ➔ [page 116](#)
- ☐ Lubricate with low-temperature grease -G 052 745 A3-

9 - Operating cable

- ☐ Lock unlocking.

10 - Lock activation cable

- ☐ Remove and install ➔ [page 124](#)

11 - Eye

12 - Door lock rod

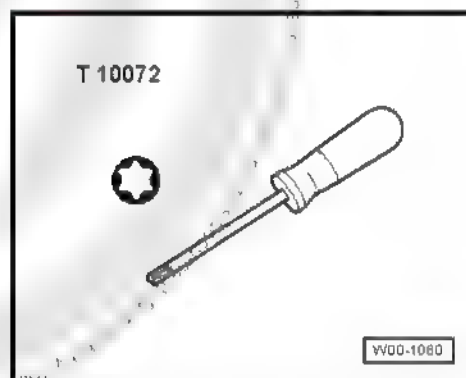
13 - Door lock button

- ☐ Installed on the locking rod up to the buffer
- ☐ Position in relation to door lining ➔ [page 125](#)

1.12 Cylinder housing without lock cylinder - remove and install

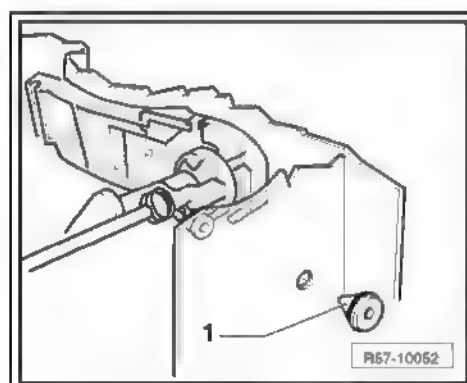
Special tools and workshop equipment required

- ◆ torque wrench **T10072**-



Remove

- Disengage plug -1-.





Pull and hold the door handle -1-. Loosen the screw -3- with the pincers -T10072- and simultaneously press towards the external handle support. This releases the locking in the lock cylinder housing



Note

If the screw is excessively released, the locking ring may detach from the external handle support and fall into the door as a result.

- Pull the lock cylinder housing -2- out of the external handle support, at a straight angle in relation to the door handle.

Install

Install is performed in the reverse sequence, observing the following:

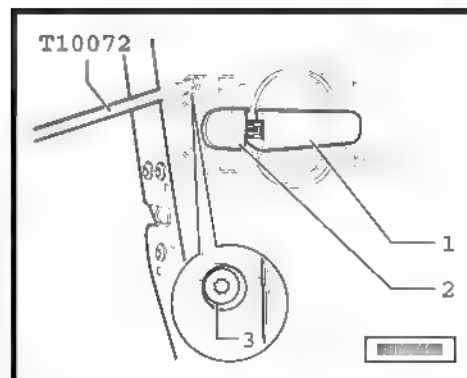
- Place the lock cylinder housing on the external handle support at a straight angle.
- Then, tighten the screw to the external handle support with pincers -T10072-.

The door handle is again fitted to the lock cylinder housing when there is an audible click.



Note

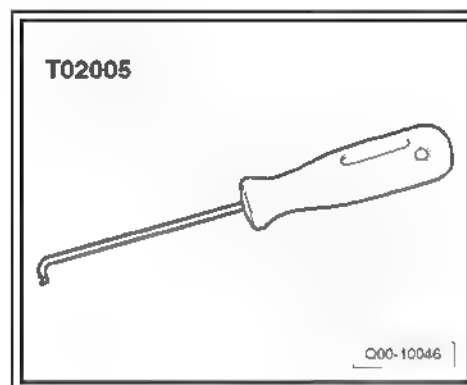
During the assembly, you must press the door handle and the lock cylinder housing against the door plate.



1.13 External door handle (Fox) - remove and install

Special tools and workshop equipment required

- ◆ Assembly tool -T 10389- or Assembly tool -T 02005-



1.13.1 Remove

- Remove the door lining ⇒ General body repairs, interior; Rep. gr. 70 , Lining / insulation .
- Unglue door sealing membrane from the upper section.

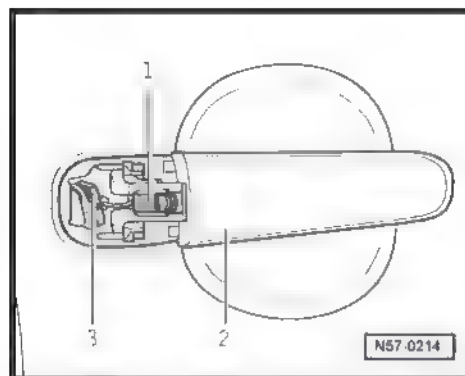


- Remove cylinder housing without lock cylinder.
- Disengage the clip -1- from the door handle -2-.
- Disengage the door handle -2- from the door panel
- Remove the door lock ➔ [page 116](#) .



Note

Door lock removal is necessary in order to reposition lock activation spring.



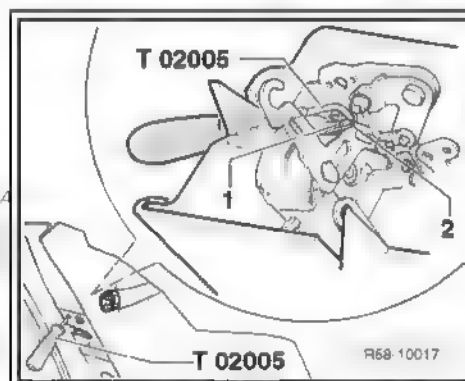
1.13.2 Install



Note

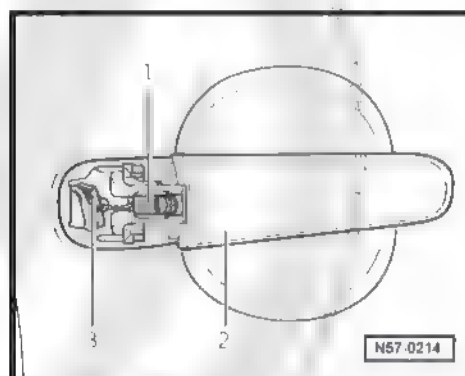
Before installation begins, the spring -2- must be positioned so that the handle has no clearance when activated. To do so, follow instructions below.

- Remove lock fastening screw where tool will be inserted assembly tool -T 10389- or assembly tool -T 02005-
- Introduce assembly tool -T 10389- or assembly tool -T 02005- in lock fastening hole.
- For better vision, light the internal door section with a lamp.
- Fit spring -2- to operating lever -1-.
- Fit the door handle -2- to the door panel.
- Pull the clip -1- inside the plate cut and fit to the door handle.



Note

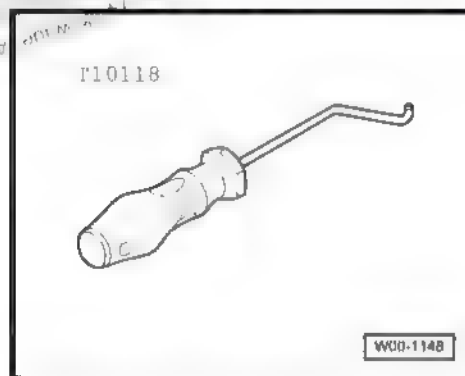
When assembling the clip, the latch operating lever -3- cannot be pulled and the door handle -2- must be pressed against the door panel.



1.14 External door handle (New Fox) - remove and install

Special tools and workshop equipment required

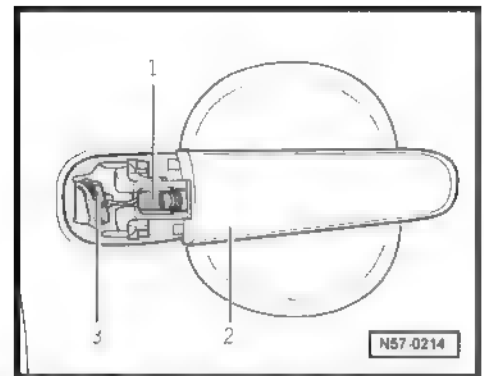
- ◆ Hook -T10118-



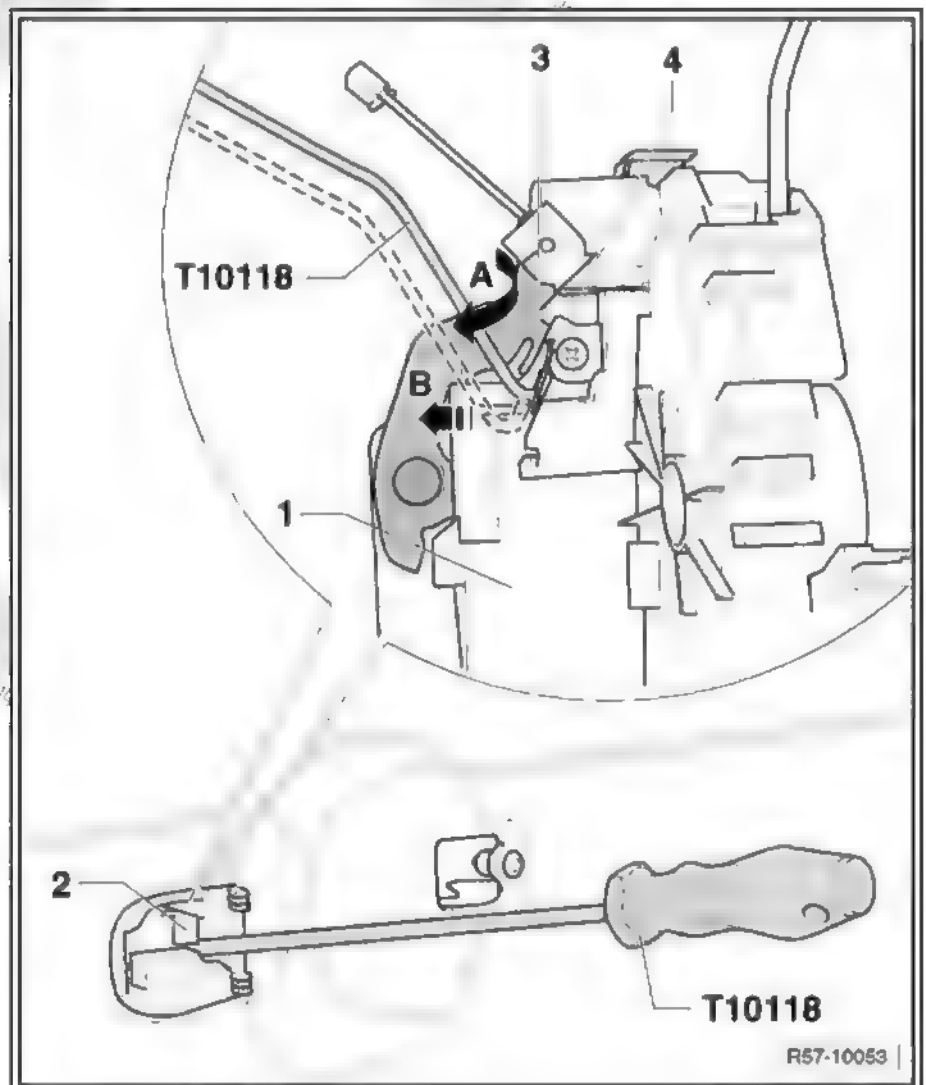


1.14.1 Remove

- Remove the lock cylinder housing.
- Disengage the clip -1- from the door handle -2-.
- Disengage the door handle -2- from the door panel



1.14.2 Install



- Through the opening on the door panel -1-, insert the hook -T 10118- in the door.
- For better vision, light the door internal section with a lamp.
- Turn the hook -T 10118- on the spring -4- -arrow A-.

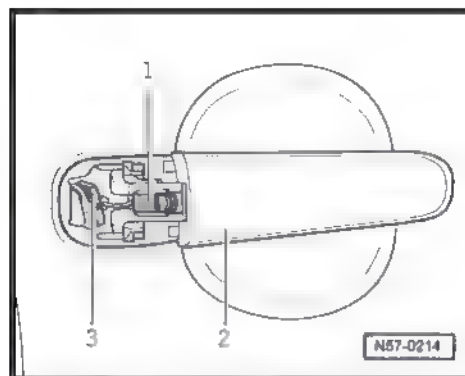


- Pull the hook -T 10118- towards -arrow B-, fasten the spring on lever -3- in the door lock -1-.
- Fit the door handle -2- to the door panel.
- Pull the clip -1- inside the plate cut and fit to the door handle.



Note

When assembling the clip, the latch operating lever -3- cannot be pulled and the door handle -2- must be pressed against the door panel.



- Install the lock cylinder housing.

1.15 External door handle - replace

1.15.1 Remove

- Remove the external handle ⇒ [page 113](#).

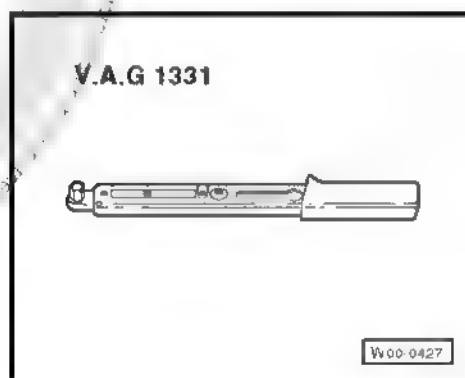
1.15.2 Install

- Paint the handle ⇒ Painting Manual.
- Installation is performed in the reverse sequence to the removal.

1.16 Rear passenger door lock (Fox) - remove and install

Special tools and workshop equipment required

- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-

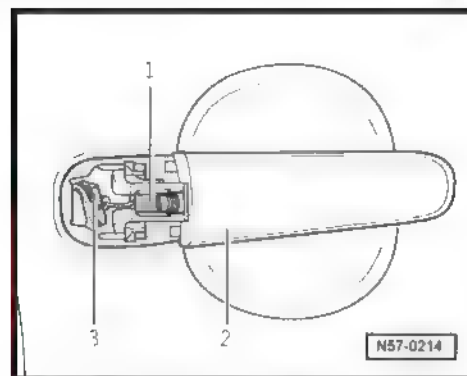


1.16.1 Remove

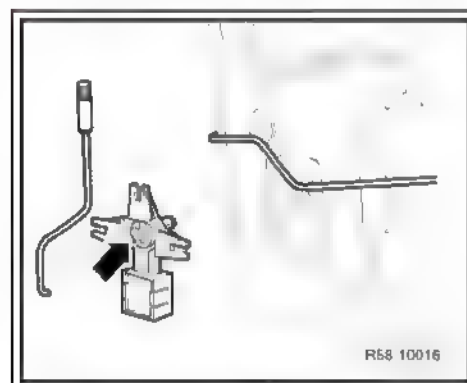
- With the door window closed, remove the rear passenger door lining ⇒ General body repairs, interior; Rep. gr. 70 ; Linings / insulations
- Detach door sealing membrane from the upper section.

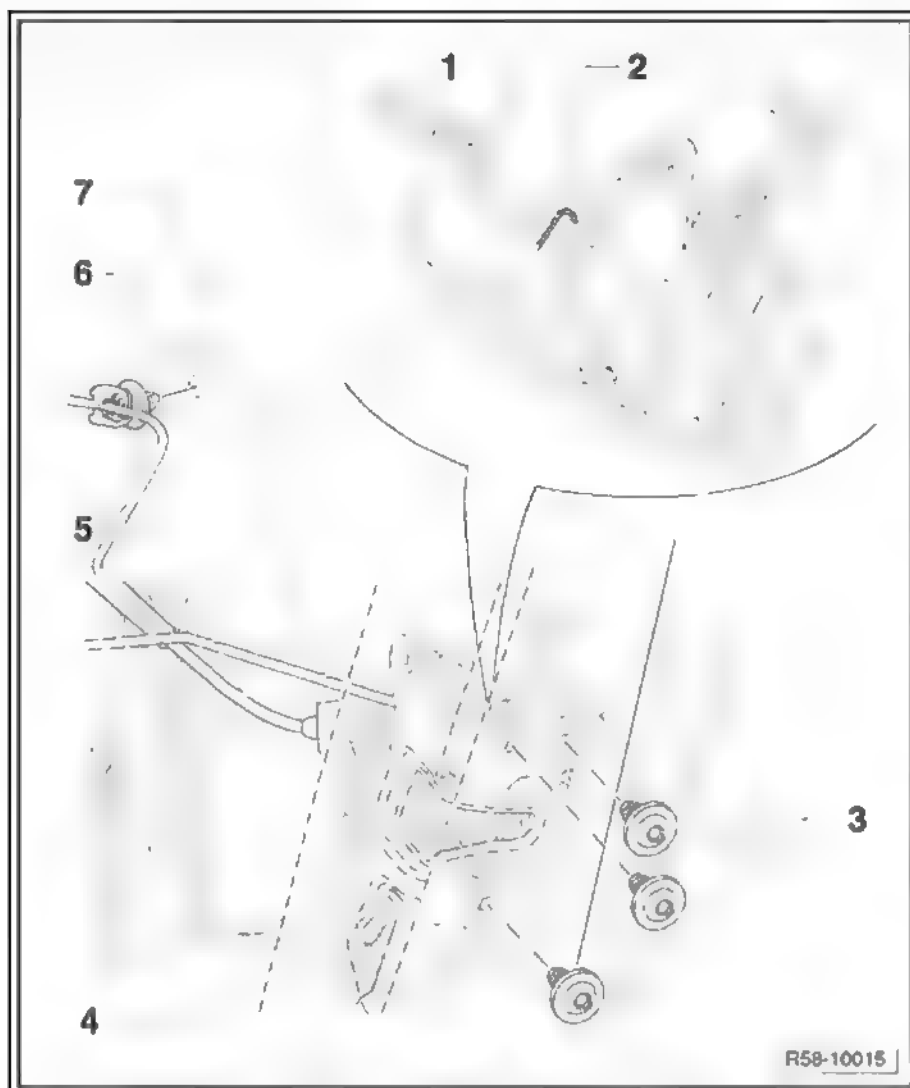


- Remove the external handle housing ➤ [page 112](#) .



- Disengage the clip -1- from the door handle -2-.
- Push pin -arrow- and remove the inversion lever.

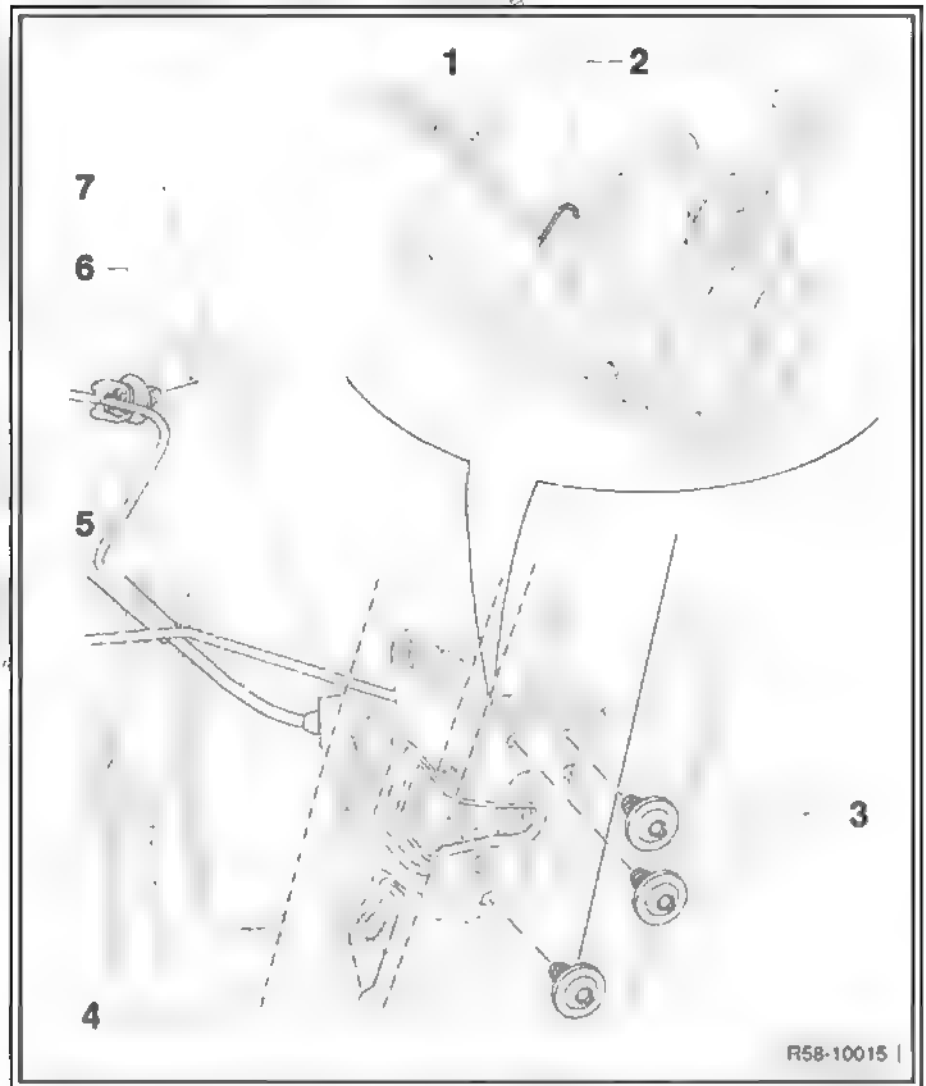




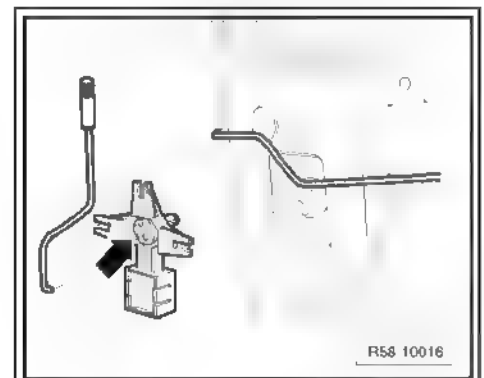
- Disengage from command rod -7- clip -6-.
- Disengage connector -4- from left/right rear central locking system motor -V307/V308-.
- Remove the fastening screws -3- from the door lock and remove the lock through the assembly opening.



1.16.2 Install



- Fit spring -1- to lock operating lever -2-.
- Position the lock and install the fastening screws -3- of the door lock to a final torque of 4 Nm.
- Connect connector of left/right rear central locking system motor -V307/V308- -4-.
- Fit to lock command rod -7- clip -6-.





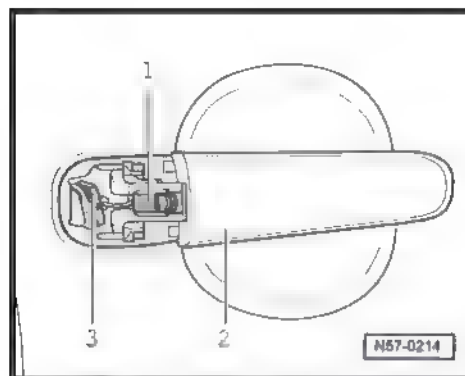
- Push the pin -arrow- and install the inversion lever.
- Pull the clip -1- inside the plate cut and fit to the door handle -2-.



Note

When assembling the clip, the lock operating lever -3- cannot be pulled and the door handle -2- must be pressed against the door plate.

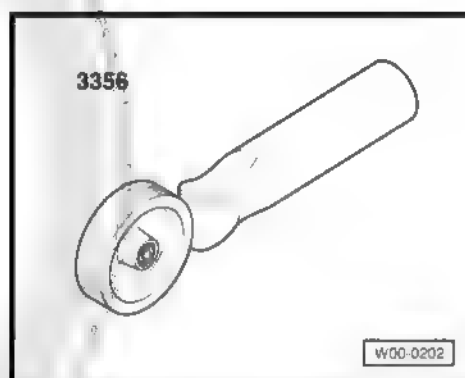
- Install the lock cylinder housing.
- Install the door sealing membrane, pressing it with the pressure roll -3356-.
- Install the rear door lining ⇒ Body - Internal assembly works; Rep. gr. 70 : Lining / insulation



1.17 Rear door lock (New Fox) - remove and install

Special tools and workshop equipment required

- ◆ Pressure roll -3356-



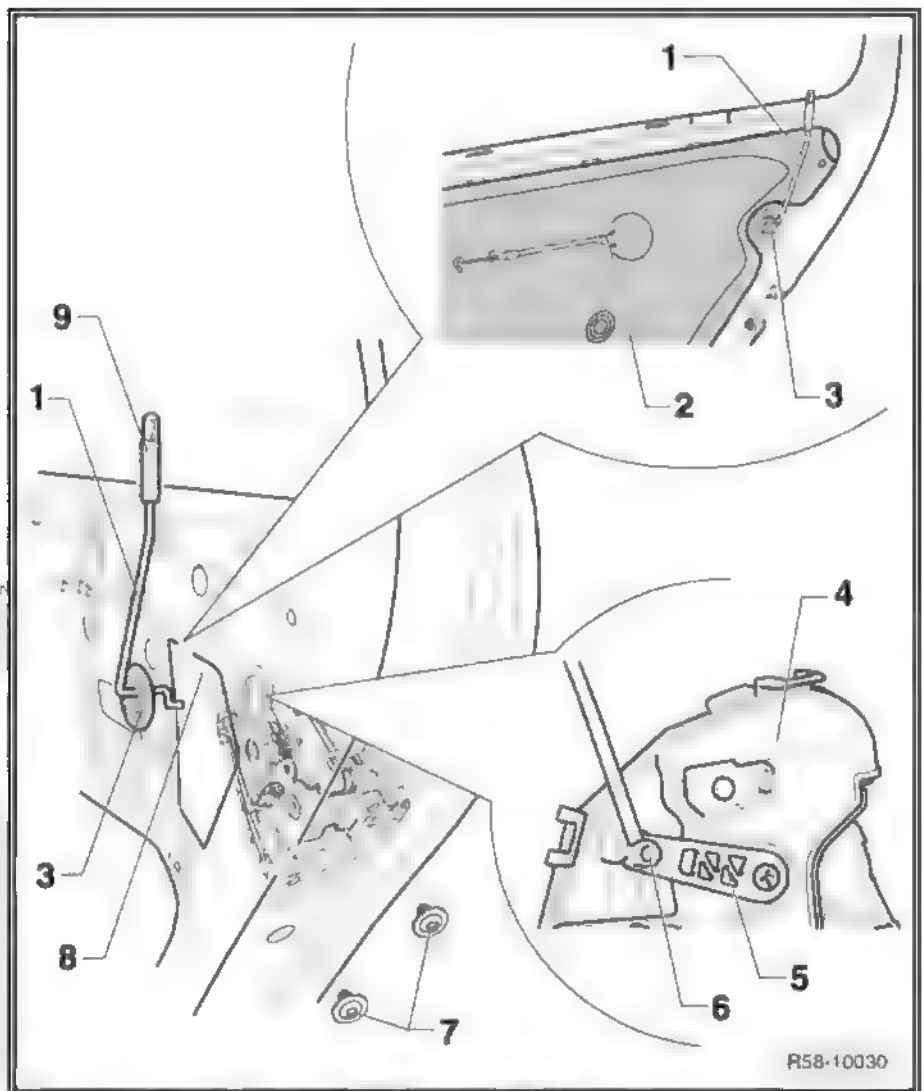
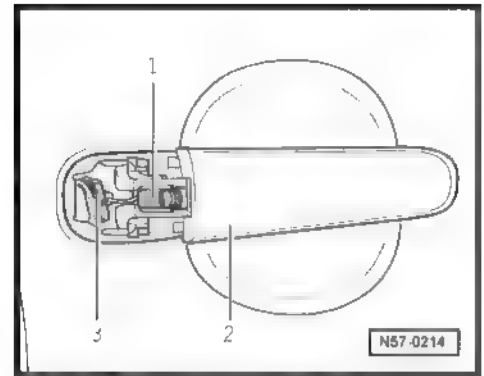
- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-





1.17.1 Remove

- Remove the lock cylinder housing.
- Disengage the clip -1- from the door handle -2-.
- With the door window closed, remove the rear passenger door lining ⇒ General body repairs, interior; Rep. gr. 70 ; Linings / insulations



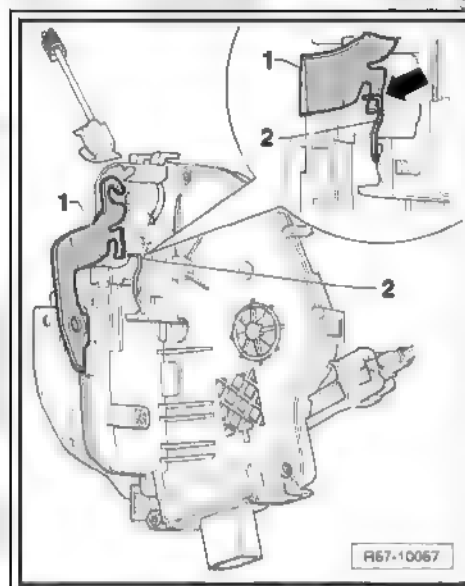
- Disengage eyelet -3- from internal door panel and disengage rod -2- from bushing -64- in lever -5-.
- Detach adhesive tapes -2- that fasten sealing membrane on the lock operating cable -8-.
- Detach the door sealing membrane to access the lock.



- Disengage the connector from the left/right rear central locking system motor -V307/V308- in the lock.
- Remove fastening screws -7- (20 Nm) from the door lock -4- and remove the lock through the assembly opening.

1.17.2 Install

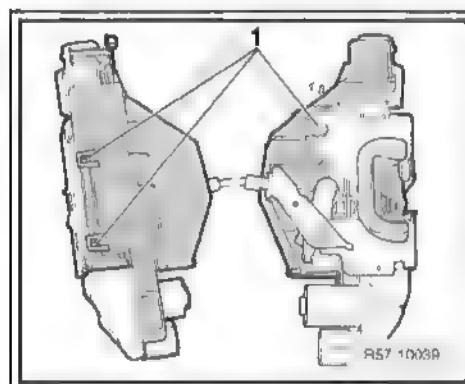
- Place spring -2- under the lock operating lever -1-, with thin nose pliers.
- Installation is performed in the reverse sequence to the removal.



1.18 Rear door lock (Fox) - replace

1.18.1 Remove

- Remove the lock ⇒ [page 116](#) .
- Disengage locks -1- and separate the lock cover cap.
- Remove lock operating cable ⇒ [page 123](#) .
- Remove the operating cable from the internal handle ⇒ [page 123](#) .
- Remove bushings.
- Remove left/right central locking system motor -V307/V308- ⇒ [page 125](#) , if any.



1.18.2 Install

- Installation is performed in the reverse sequence to the removal.

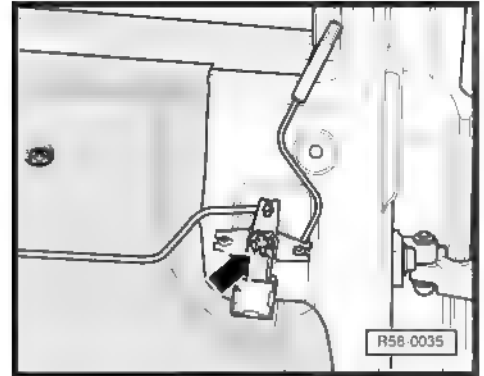
1.19 Inversion lever (Fox) - replace

1.19.1 Remove

- Remove rear door lining ⇒ Body - Internal assembling work, Rep. gr. 70 ; Linings / insulations .
- Disengage command rod from inversion lever.
- Remove lock locking pin rod.



- Remove pin -arrow- of inversion lever -1-.
- Remove inversion lever.



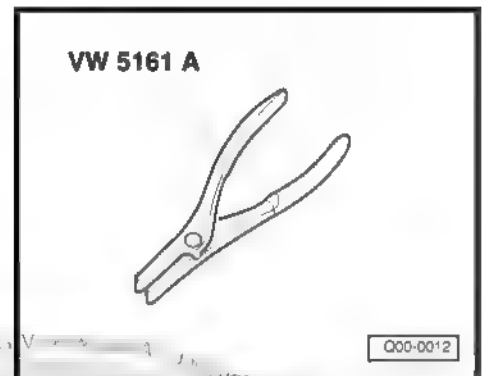
1.19.2 Install

- Installation is performed in the reverse sequence to the removal.

1.20 Lock operating cable (Fox) - remove and install

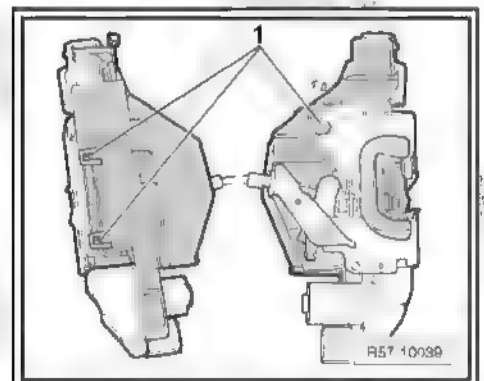
Special tools and workshop equipment required

- ◆ Pliers -VW 5161A-



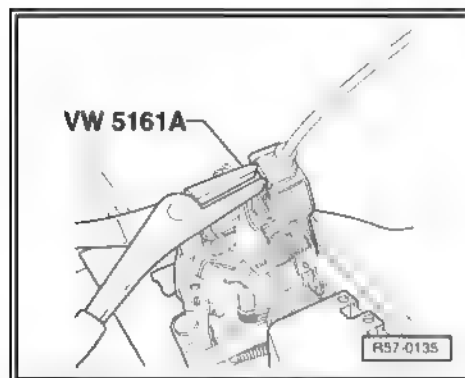
1.20.1 Remove

- Remove the door lock ⇒ [page 116](#) .
- Disengage locks -1- and separate the lock cover cap.
- Disengage bushing cable end.



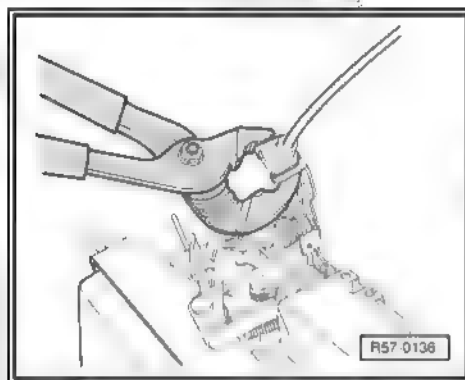


- Slightly open cable fitting support with the pliers -VW 5161A- tool.
- Disengage the cable and remove it.



1.20.2 Install

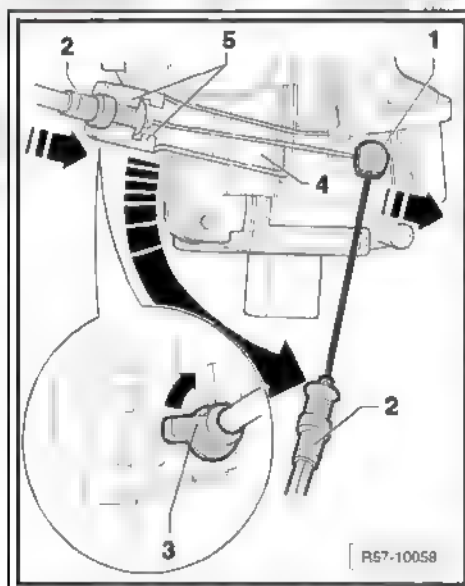
- Fit cable to lock fitting support.
- Fit cable end to bushing.
- Slightly tighten cable fitting support with pliers.
- Install door lock ➔ [page 116](#) .



1.21 Lock operating cable (New Fox) - replace

1.21.1 Remove

- Remove the door lock.
- Turn lock -3- on the cable cover by 90°
- Disengage the cable from locks -5- and move the cable -2- by 90° to align the cable fastener -1- with the grooves on the lock lever and remove it.
- Disengage the cable and remove it.



1.21.2 Install

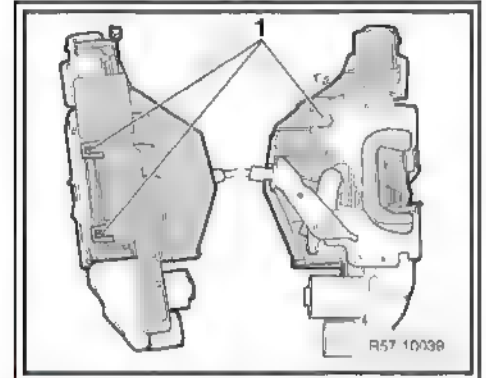
- Installation is performed in the reverse sequence to the removal.



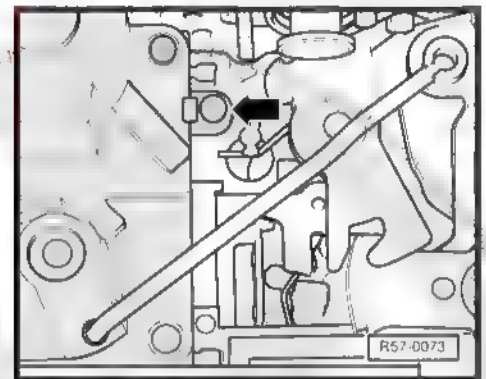
1.22 Rear Left/right central locking system motor -V307/V308- (Fox) - replace

1.22.1 Remove

- Remove the door lock ➔ [page 116](#)



- Disengage locks -1- and separate the lock cover cap.
- Remove screw -arrow- that fastens the motor.
- Disengage and remove the motor operating rod.



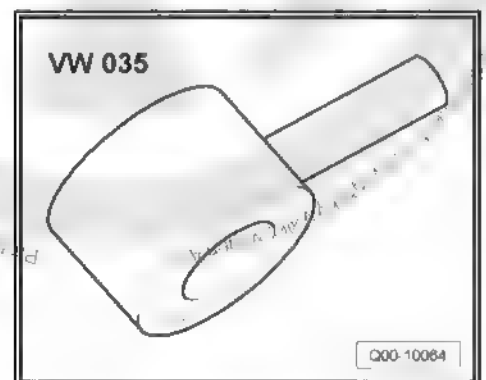
1.22.2 Install

- Installation is performed in the reverse sequence to the removal.

1.23 Lock button (locking rod - New Fox) - remove and install

Special tools and workshop equipment required

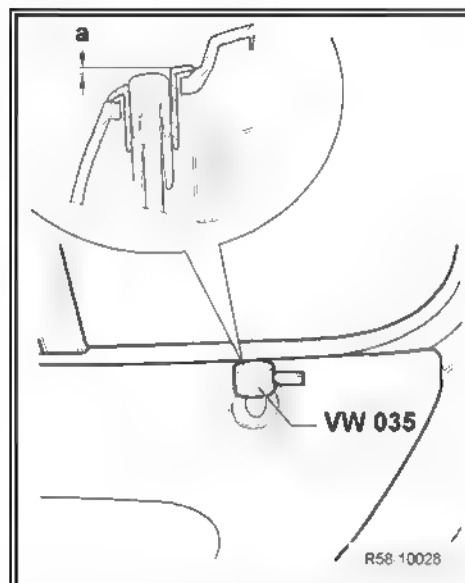
- ◆ Puller and fitter -VW 035-





1.23.1 Remove

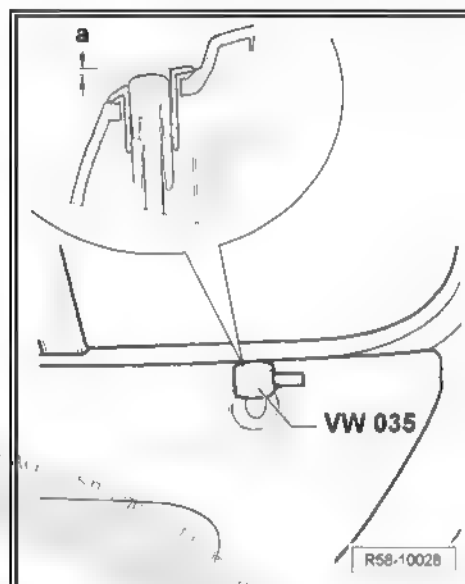
- With the lock button totally raised, fit Puller and Fitter -VW 035- and loosen the pin
- Remove the tool with the button



1.23.2 Install

- Insert button in the Puller and fitter -VW 035- and screw the button in order that, when in locked position, it is at a distance -a- from the door lining.

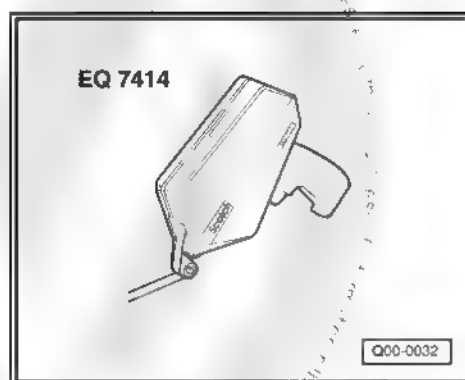
Dimension -a- = 0 to - 1 mm



1.24 Door sealing membrane - remove and install

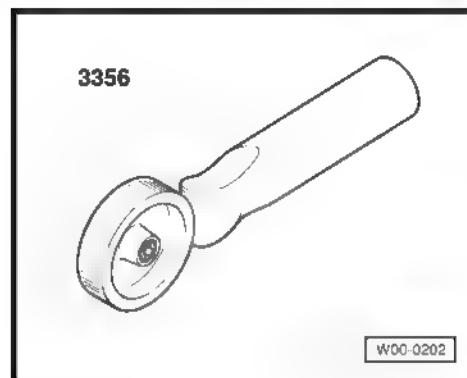
Special tools and workshop equipment required

- ◆ Transferable adhesive tape applicator -EQ 7414-





◆ Pressure roll -3356-



1.24.1 Remove

- Remove the door lining ⇒ Body - Internal assembly work; Rep. gr. 70 ; Linings / insulations - Door linings - remove and install .
- Remove the adhesive tapes or the plastic belts -325 971 739.1- that fasten the membrane to the lock operating cable and wiring harnesses.
- Remove bushings -1- with the ejector lever -80-200- .
- Detach the sealing membrane and remove it.



Note

Write down on the membrane the number of times it has been removed, 1st., 2nd. or 3rd. time.

- Remove any remaining adhesive from the internal door panel using the cleaning solution -D 009 401 04- .



Note

Moisten a cloth with the cleaning solution -D 009 401 04- and gently apply it over the affected area. Allow the product to work for a moment and then rub towards the center starting from the edges. Repeat the operation if necessary. Next, rub the surface with a cloth until it is completely dry.



1.24.2 Install



Note

- ◆ Polypropylene film with thickness of $0,2 \pm 0,02$ mm. Adhesive strength ≥ 4 N/cm
 - ◆ The membrane has an sensitive acrylate-based adhesive coating that ensures it can be removed up to 3 times without affecting the adhesive performance. If the adhesive coating is damaged, that is, removed by the fourth time, install the membrane by using transferable adhesive tape ⇒ Chemicals Manual as indicated below.
 - ◆ The membrane may be reinstalled if there is no damage such as stretching or wrinkles which can fatally compromise the seal against water and dust
 - ◆ Apply transferable adhesive tape ⇒ Chemicals Manual to the internal door panel (membrane adhesion area) with the transferable adhesive tape applicator -EQ 7414-, in case of loss of membrane adherence.
- Install the membrane by passing the cable and harnesses through the holes and paste it to the internal door panel.
 - Press the door sealing membrane with the pressure roll -3356-.
 - Fasten the sealing membrane to the lock operating cable and wiring harnesses.



Note

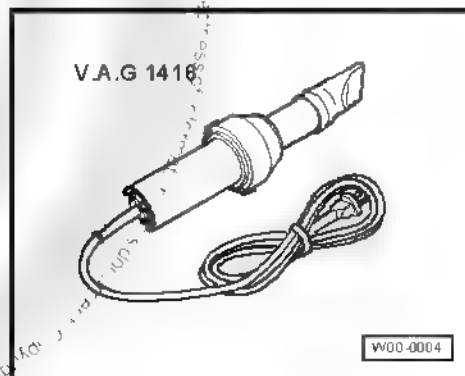
Cut the excess of the plastic belts -325 971 739.1-, after installing them.

- Install the door lining ⇒ Body - Internal assembly work; Rep. gr. 70 ; Linings / insulations - Door linings - remove and install .

1.25 Door sealing packings - assembly overview

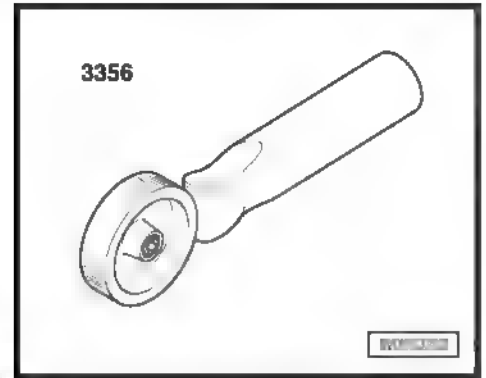
Special tools and workshop equipment required

- ◆ Hot air blower -VAG 1416-

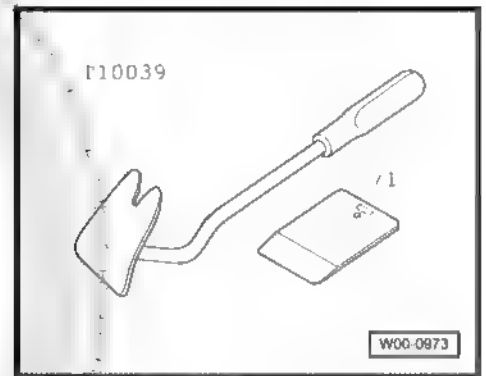




◆ Pressure roll -3356-



◆ Wedge -T 10039/1-





1 - Pin

- ☐ under pressure ➤ 02.05
- ☐ threaded 03.05 ➤

2 - External door packing

- ☐ self-adhesive
- ☐ remove and install
⇒ [page 130](#)

3 - Internal door packing

- ☐ covered on lower section by threshold trim
- ☐ remove and install
⇒ [page 131](#)

4 - Clip

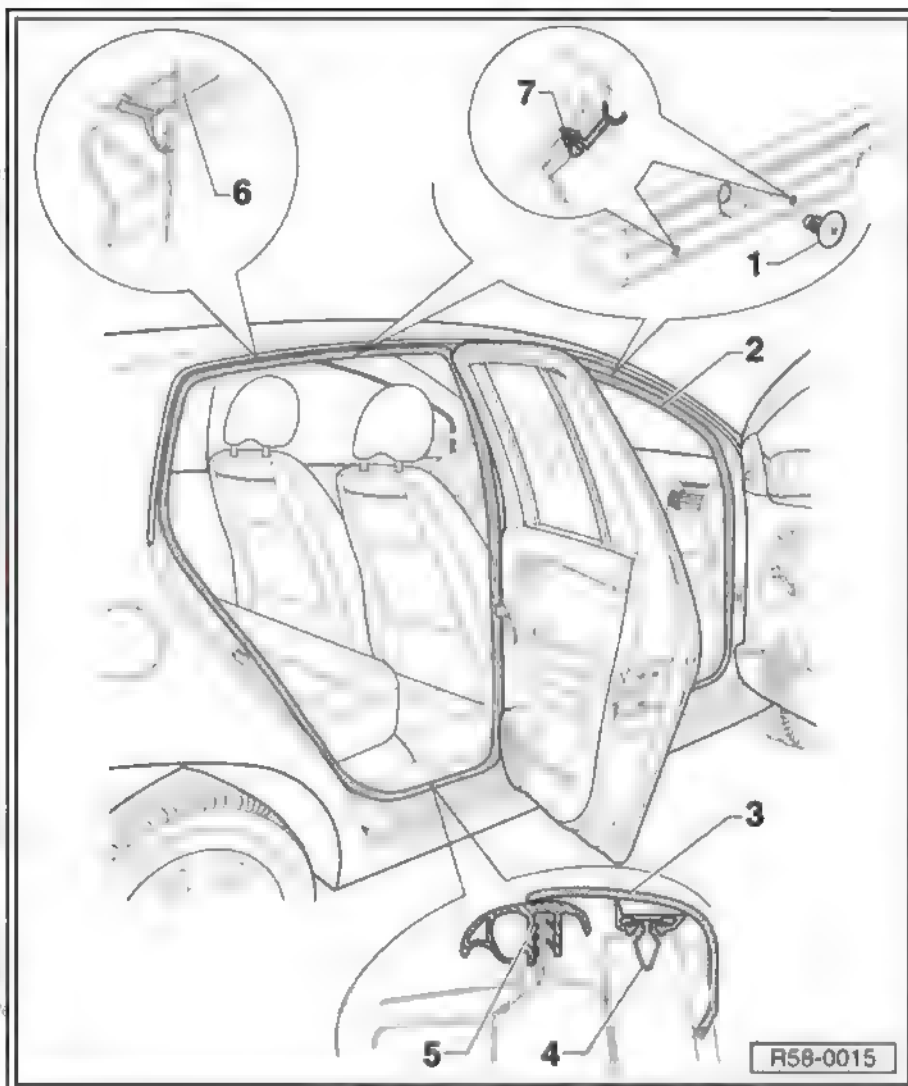
5 - Threshold trim

- ☐ remove and install ⇒
General body repairs,
interior; Rep. gr. 68 ; In-
ternal equipment

6 - Double-sided tape

- ☐ The adhesive tape ad-
hesion area must be
completely free of dirt.
- ☐ Under no circumstan-
ces should the self-ad-
hesive surface of the
tape be touched.
- ☐ when assembling a new
external packing, re-
move double-sided tape
liner.

7 - Door external packing fitting
(rack area)



1.26 External door packing - remove and install

Remove

- Remove fastening pins with ejector lever -80-200-



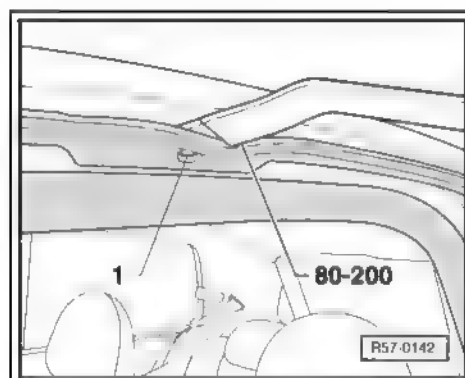
Note

Removable with ejector lever -80-200- only for vehicles manufactured until 02.05. Pin for vehicles manufactured from 03.05 is threaded

- Heat up packing with the hot air blower -VAG 1416- .
- Detach packing using wedge -T 10039/1- .

Install

- Clean door frame in the adhesion area with adhesive remover -D 002 000 10- and then apply cleaning solution -D 009 401 04- . Dry area with dry cloth.





- Heat up packing adhesive tape and door frame in the assembly section with the hot air blower -VAG 1416- at a temperature between 30 - 40 °C
- Press packing -7- fitting (above front door and above rear door) against holes in the door frame.
- Remove double-sided tape liner -6-, glue packing and centralize it in the area of C-pillar. Firmly press packing (above 10 N) with a pressure roll -3356- .. Only move the pressure roll in one direction.



Note

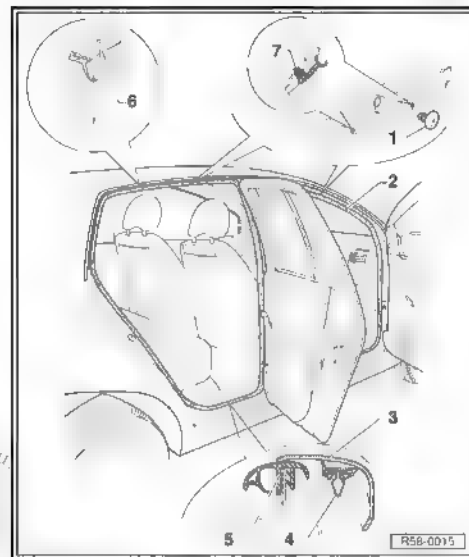
Do not move it back and forth

- Install pins -1-.



Note

After assemble, the door must be kept open for a minimum period of 30 minutes so that the door's pressure on packing do not lead to premature packing detaching.



1.27 Internal door packing - remove and install

Remove

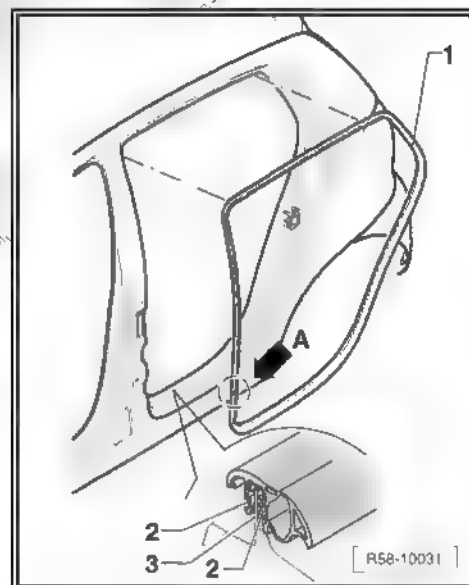
- Remove front door threshold trim ⇒ General body repairs, interior; Rep. gr. 68 ; Internal Equipment .
- Disengage packing from fitting flange.

Install



Note

- ◆ *For partially removed packing -1-, it is necessary to press the packing sides -2- before the assembly.*
- ◆ *The installation of the new part shall be made by slightly tapping with a rubber hammer for engaging the packing -1- on flange -3-.*
- The vulcanized splice of packing shall be assembled in B-pillar, in section below door lower hinge -arrow A-.
- Slightly press packing with a rubber hammer
- Install front door threshold trim ⇒ General body repairs, interior; Rep. gr. 68 ; Internal Equipment .





60 – Sunroof

1 Sliding / tilting sunroof

1.1 Operation

Sliding / tilting sunroof is opened and closed by the sunroof sliding adjuster -E139-, with ignition on

It is possible to open or close the sliding / tilting sunroof with ignition off if driver's or passenger's door is not open.

There are marks in the sunroof sliding adjuster which correspond to positions established for opening - Glass lid opening positions. However, it is possible to open roof in any wanted intermediary position for sliding or tilting sunroof, by turning command to the corresponding direction.

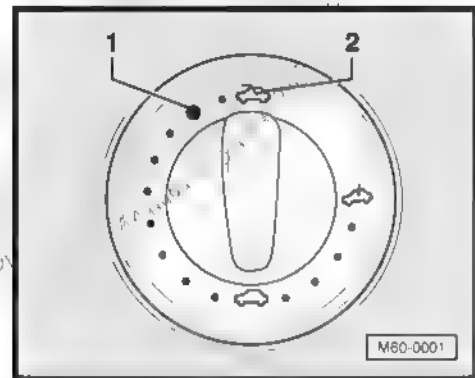
Sliding/tilting sunroof opening with command position -1- in the so-called comfort position significantly reduces wind noises with total opening in command position -2-.

Sliding/tilting sunroof is equipped with closing strength limiter in the sliding region. If there is any obstacle during closing operation, roof will automatically reopen.

Additionally, there is an emergency closing feature. Upon problems with closing, sliding roof may be firmly closed by pressing the command, which shall be in the „closed sunroof“ position

Closing strength limiting feature is off upon emergency closing feature.

The sliding sunroof activation motor -V1- is protected from excessive heating by an operation length limitation. The protective mechanism works after uninterrupted activation of approximately two minutes. It may only be activated again after a cooling period.



1.2 Sliding/tilting sunroof with glass lid - Assembly overview



1 - Glass lid for sliding/tilting sunroof (safety toughened glass)

- ☐ Remove glass lid for sliding/tilting sunroof. ➔ [page 134](#)
- ☐ Install glass lid for sliding/tilting sunroof ➔ [page 134](#)
- ☐ Adjust glass lid for sliding/tilting sunroof ➔ [page 135](#)

2 - Cover packing

- ☐ Packing joint centralized in rear region.
- ☐ Roof packing replacement ➔ [page 136](#)

3 - Sunroof lining

- ☐ remove and install sun protector ➔ [page 137](#)

4 - Sliding

5 - Folding frame

6 - Water chute

- ☐ remove, remove guide with steel cable

7 - Screw

8 - Tip

- ☐ use adhesive Butyl cord for sealing -AKL 450 005 05-

9 - Guide frame

- ☐ Lubricate guide channels with special grease if necessary -G 000 450 02-, otherwise, operation is not ensured.

10 - Sliding sunroof activation motor -V1-

- ☐ Remove ➔ [page 139](#)
- ☐ Adjust activation (zero position) ➔ [page 139](#)

11 - Screw

- ☐ Torque: 3.5 Nm
- ☐ must always be replaced

12 - Sliding sunroof movement control unit -J245-

- ☐ Remove ➔ [page 138](#)
- ☐ Selector command is fitted in command unit
- ☐ Remove selector key ➔ [page 138](#)

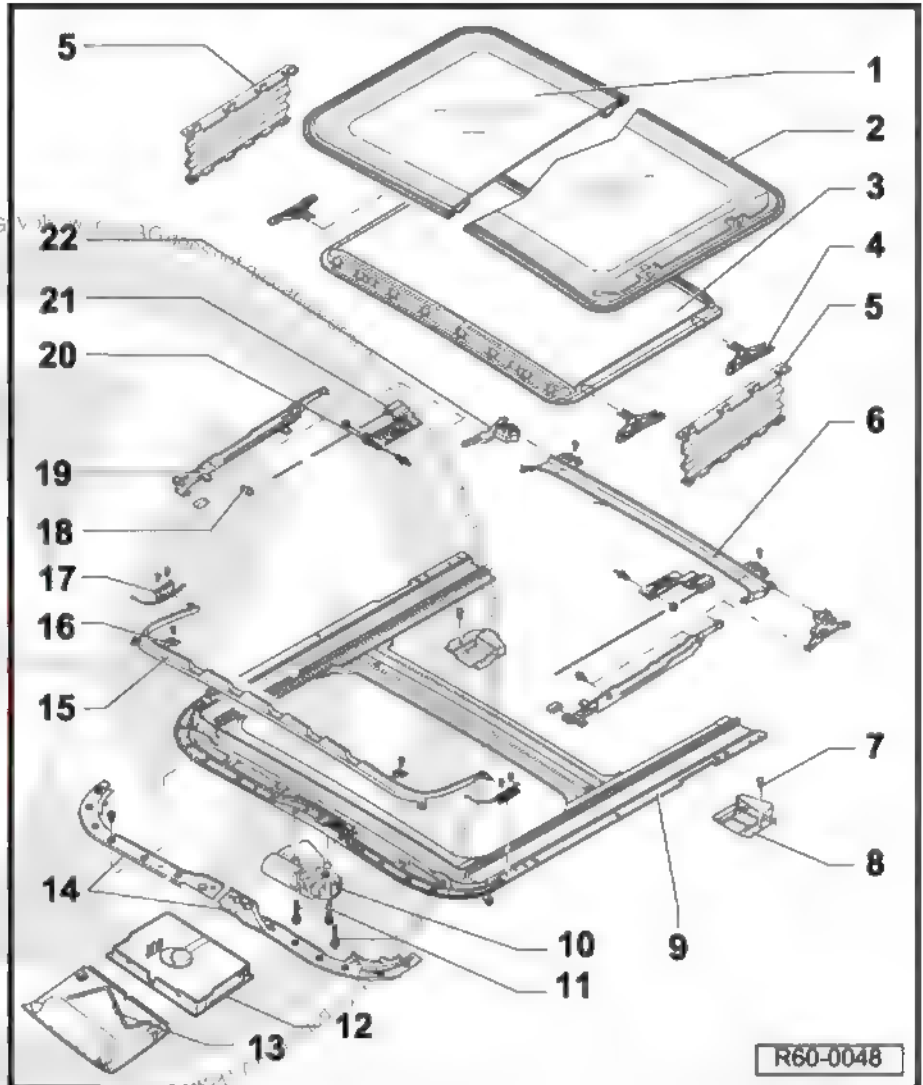
13 - Hexagonal wrench for emergency activation

- ☐ fitted to the electric mechanism lid

14 - Cable cap

15 - Air deflector

- ☐ Remove ➔ [page 137](#)

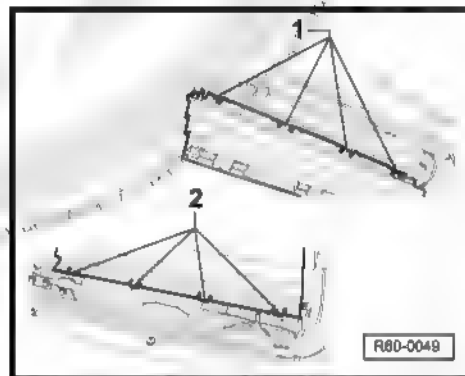




- 16 - Hinge
- 17 - Deflector activation spring
- 18 - Torx screw -T25-
 - ❑ Torque: 4.5 Nm
- 19 - Sliding guide
 - ❑ Remove ➤ [page 140](#)
- 20 - Sliding pin
- 21 - Guide with steel cable
 - ❑ Remove
- 22 - Chute positioner

1.3 Sliding/tilting sunroof glass lid - remove

- Push sunroof lining backwards
- Tilt sunroof lid.
- Disengage locks -1- from folding frame of the glass lid metal structure and disengage locks -2- from sunroof guide frame.

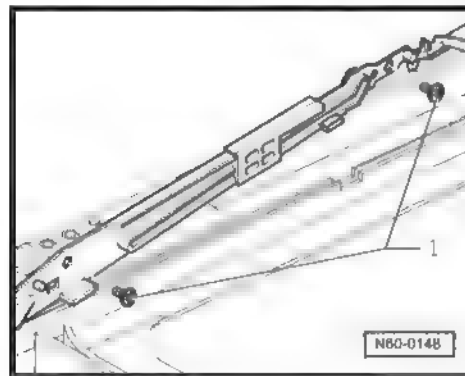


- Remove fastening screws -1- (Torx -T25- ; 4.5 Nm) .
- Remove sliding/tilting sunroof lid from above.



Note

The sliding/tilting sunroof must not be put in „open“ position when glass lid is removed, as the water chute would not be compressed by the glass lid and might stick to the roof.



1.4 Glass lid for sliding/tilting sunroof - install



Note

Lid must be installed in position „0“

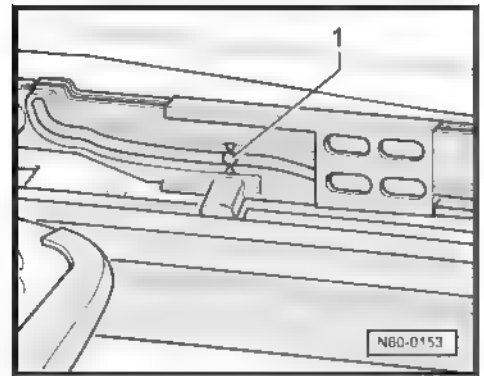


Position „0“

- Guide sliding pin -1- must be aligned with the marks in guide sliding device.

If it is not, adjust them.

- Place sliding/tilting sunroof lid on top and screw fastening screws (sliding device/lid) on guide sliding device.

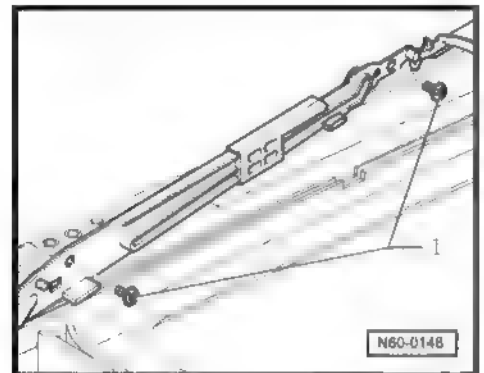


- Moderately tighten fastening screws -1- (Torx -T25-).

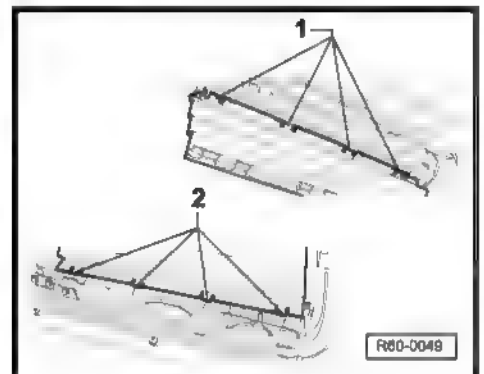


Note

Tighten fastening screws after lid height adjustment ➔ pag.
➔ page 135 (4.5 Nm).



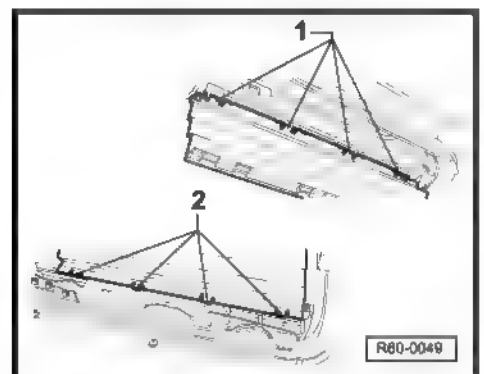
- Fit locks -1- to folding frame of the glass lid metal structure, and disengage locks -2- from the sunroof guide frame.
- Turn the sunroof lid into closed position.
- Push sunroof lining forward.



1.5 Glass lid for sliding/tilting sunroof (height adjustment) - adjust

Sliding/tilting sunroof zero position in order

- Push sunroof lining backwards
- Tilt sunroof lid.
- Disengage locks -1- from folding frame of the glass lid metal structure and disengage locks -2- from sunroof guide frame.





- Loosen fastening -1- screws (Torx -T25- ; 4.5 Nm) .
- Move glass lid into position „open“
- Move glass lid into position „closed“
- Adjust glass lid height in the front and rear for both sides, as follows

Lid adjustment in front section:

a = 0 to 1 mm below roof level

Arrow = indicating vehicle front

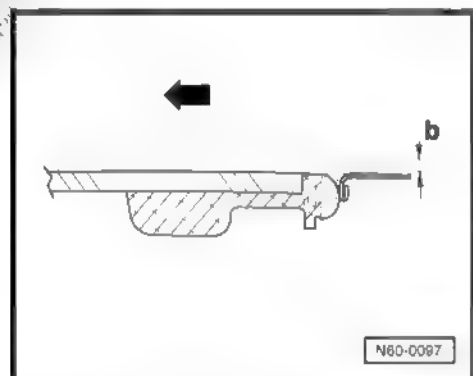
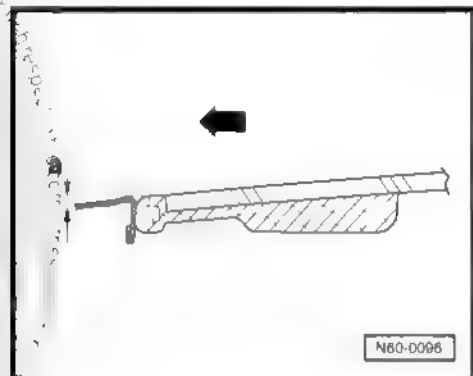
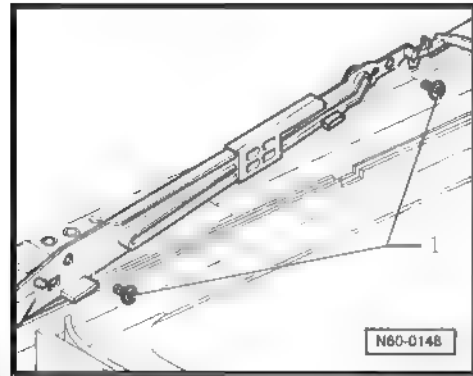
Lid adjustment, rear section:

a = 0 to 1 mm above roof level

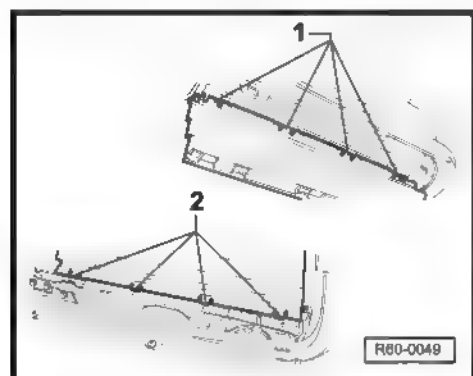
Arrow = indicating vehicle front

- Tighten glass lid screws (4.5 Nm).

Always symmetrically adjust right and left sides of the glass lid.



- Fit locks -1- to folding frame of the glass lid metal structure, and disengage locks -2- from the sunroof guide frame.
- Turn the sunroof lid into closed position.
- Push sunroof lining forward.

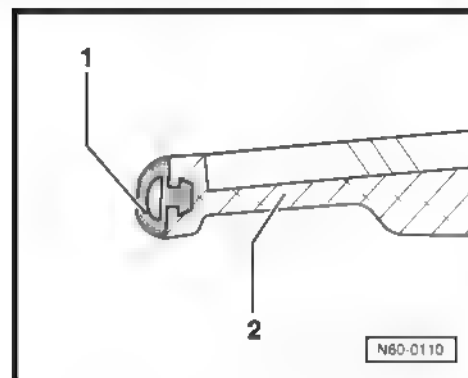


1.6 Lid packing - replace

- Remove glass lid for sliding/tilting sunroof
- Disengage packing -1-.

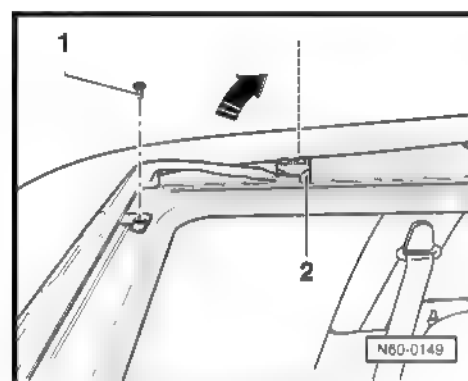


- Press new packing onto lid metal structure -2-.



1.7 Air deflector - remove

- Open sliding/tilting sunroof completely
- Remove the screw -1-.
- Move deflector vertically towards the -arrow- and disengage it from rail -2-.



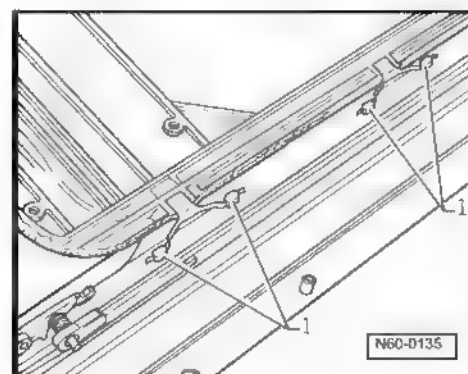
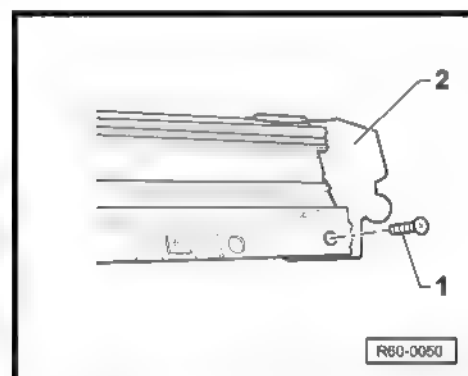
1.8 Sunroof lining - remove and install

Remove

- Remove sunroof
- Remove screw -1- and disengage tip -2-.
- Pull roof lining backwards and disengage from frame.

Install

- Put roof lining, fitting roof lining slider -1- (sliders are fastened to roof lining) to frame guides



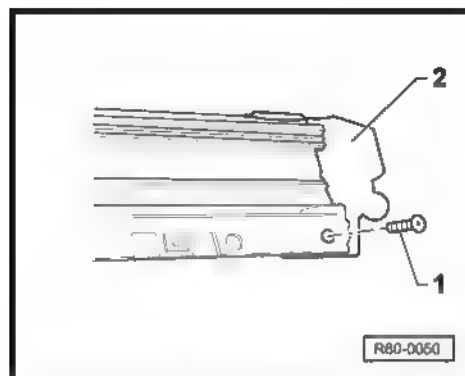


- Install screw -1- and fit tip -2-.



Note

Seal tip -2- with Butyl adhesive cord -AKL 450 005 05-.

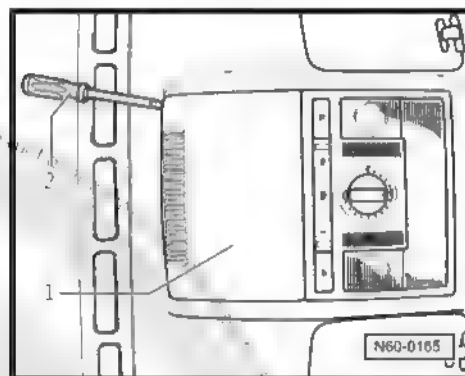


1.9 Sliding sunroof movement control unit - J245- - remove

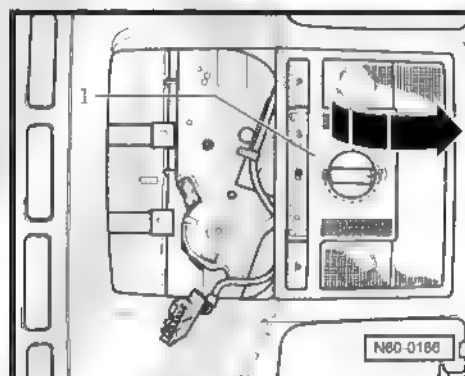


Note

- ♦ Pay attention to coding instructions in the radio user manual before disconnecting the battery.
- ♦ Pay attention if vehicle accessories (radio, clock, power window) are checked according to repair manual and/or operation instruction after disconnecting the battery.
- Disconnect the battery ground strap.
- Disconnect activation -1- cover with a screwdriver -2-.
- Disconnect connectors of Ultra-sound sensor for alarm system -G209-, if any.



- Disconnect sliding sunroof movement control unit -J245- -1- (with selector key and internal light) and disengage from shaped roof from below and front -arrow-.
- Remove fitting connections

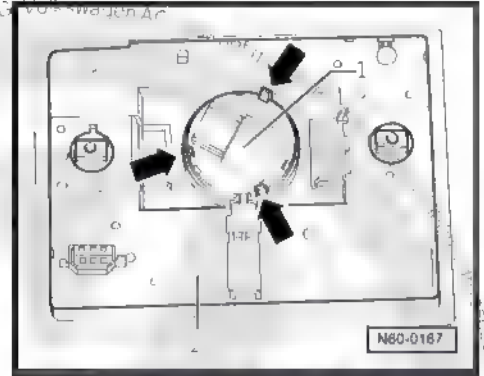


1.10 Sliding/tilting sunroof selector key - remove

- Remove sliding sunroof movement control unit -J245-.



- Unlock locking tabs -arrows- on the rear of the control unit and remove selector key -1- from command unit -2-.



1.11 Sliding sunroof activation motor -V1- - remove

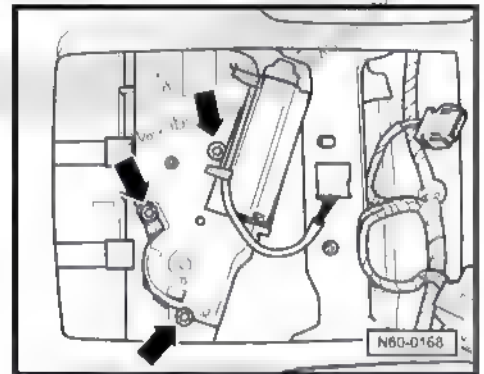


Note

Only remove and install sliding/tilting sunroof activation motor with roof closed (zero position)

- Remove sliding sunroof movement control unit -J245- pag. [⇒ page 138](#).
- Remove screws -arrows- and remove sliding/tilting roof activation.
- Disconnect connections and cables

Activation motor screws are micro-armored and must always be replaced (3.5 Nm)



1.12 Sliding sunroof activation engine -V1- (zero position) - adjust

Adjustment of position zero may be necessary when activation engine is not removed in position zero or when sliding/tilting roof is closed or opened by emergency activation.

Activation engine removed, but electric cables connected.

- With selector key, select „Open roof“.
- With selector key, select „Close roof“.
- With selector key, select „open roof“.
- With selector key, select „close roof“.
- In this position (zero position), install roof activation engine in closed position.

1.13 Parallelism - check

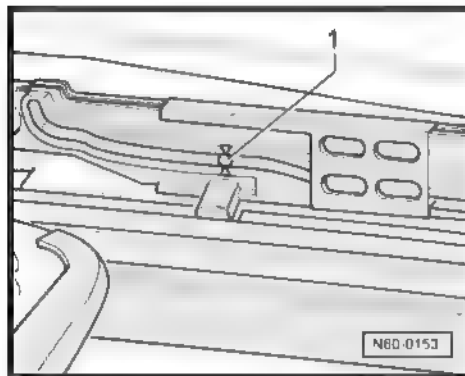
- Remove folding frames from sliding/tilting roof.



Note

The glass lid must be in zero position (lid closed)

Sliding pin -1- must be aligned with marks in sliding device guide.



1.14 Parallelism - adjust



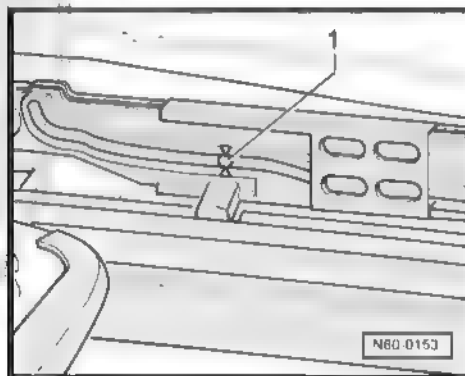
Note

Parallelism adjustment can only be carried out with electric activation engine and glass lid removed (in zero position).

Remove sliding/tilting roof activation motor.

Zero position:

- Place sliding pin -1- aligned with marks in sliding device guide.
- Install roof activation motor (zero position) to this position.

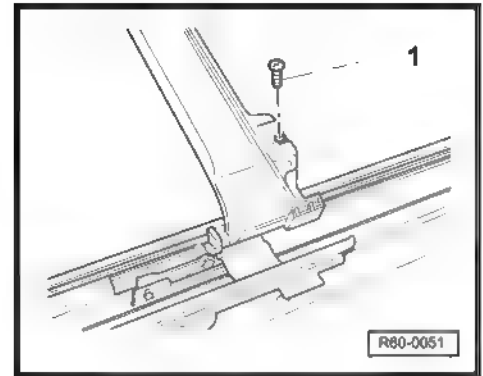


1.15 Sliding guide - remove

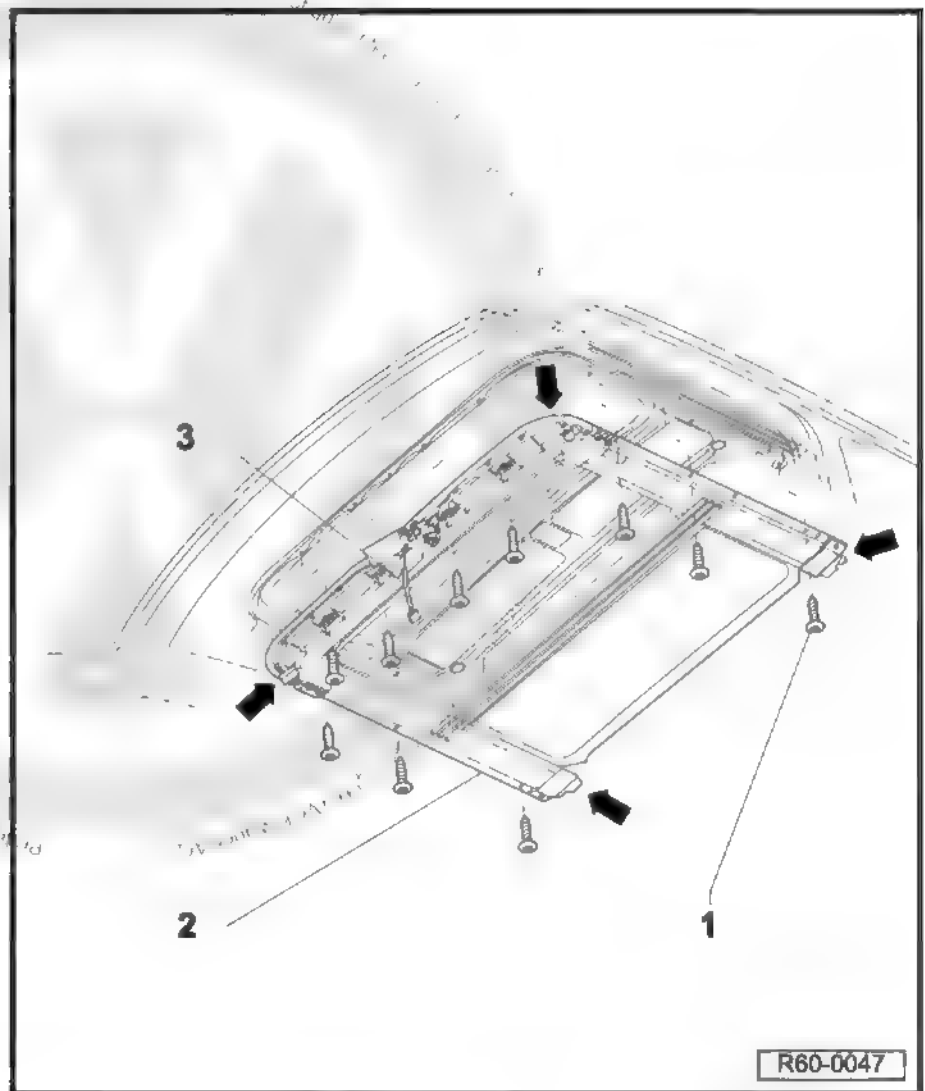
- Remove sliding/tilting sunroof glass lid.
- Remove sunroof ⇒ [page 141](#).
- Remove the air deflector.



- Remove fastening -1-screw from chute in positioner
- Disengage sliding device guide from guide frame.



1.16 Sunroof - remove and install



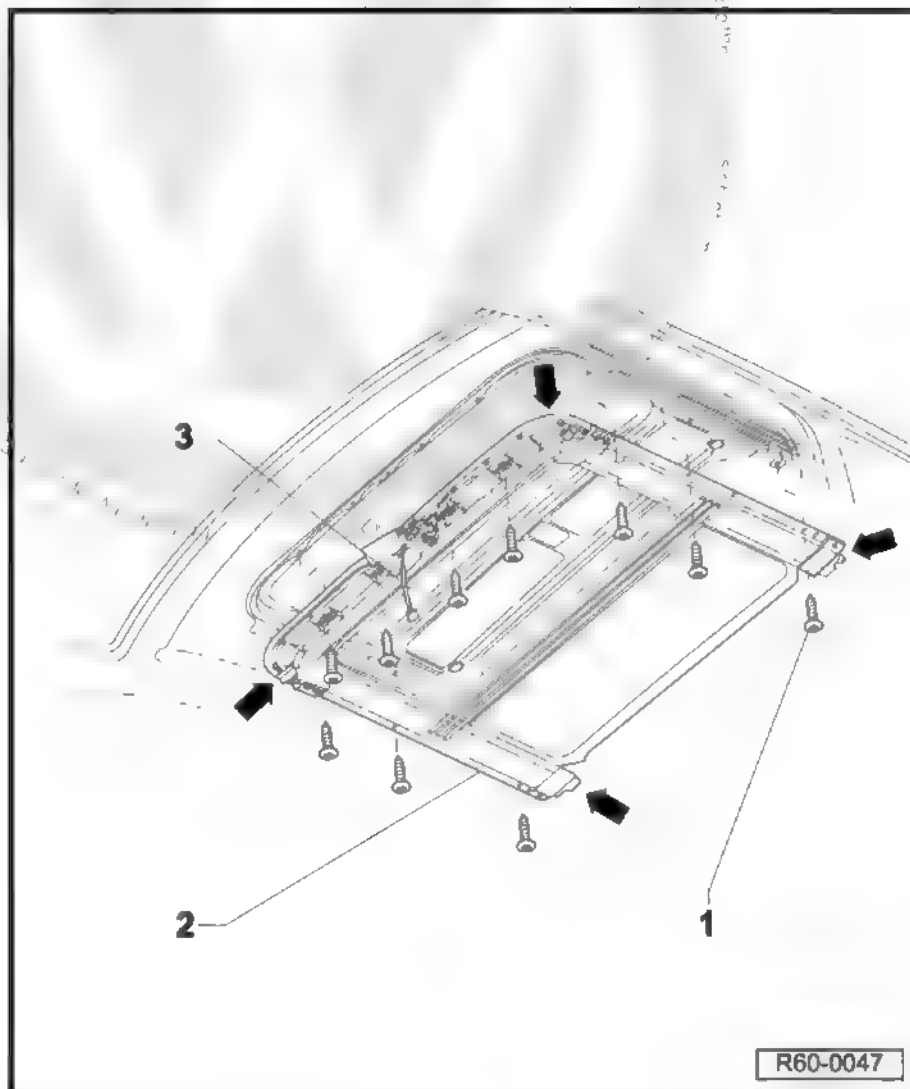
1.16.1 Remove

- Remove glass lid from sliding/tilting roof for better assembly
- Remove roof lining ➤ General body repairs, interior; Rep gr 70 ; Linings / insulations
- Disconnect harness from sliding sunroof activation motor -V1- -3-.

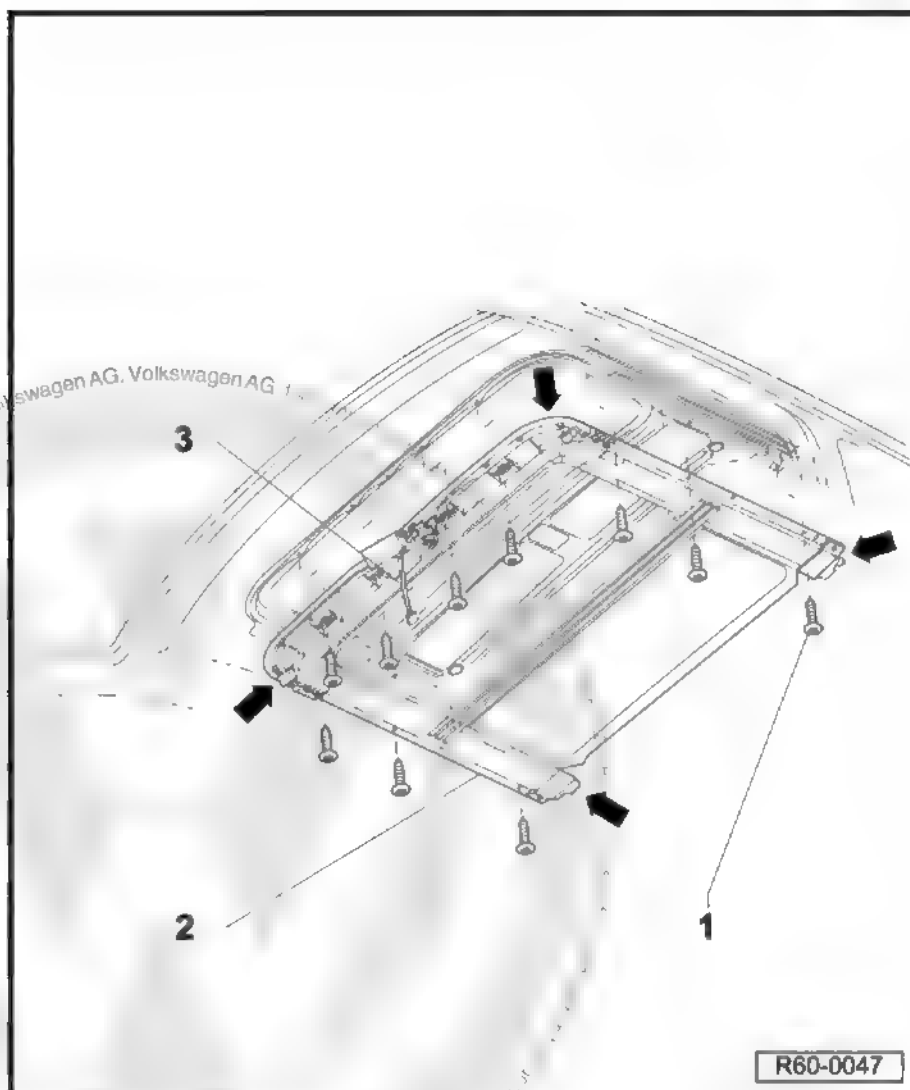


- Disengage water drain hoses from guide frame -1- -arrows-.
- Remove screws -2- and guide frame from the vehicle, with the assistance of another mechanic

1.16.2 Install



- Support assembly unit -1- on rear housings and turn upwards (fastening pins must be inserted in assembly holes)
- Place screws -2-
- Check positioning of roof cables and electrical consumers, and establish connection if necessary.
- Fastened assembly unit -1- of sliding/tilting sunroof activation -3-, from left and right to backwards (8 Nm).
- Install sliding sunroof activation motor connection -3-
- Install water drain flexible tubes -arrows-



- Install shaped roof ➤ General body repairs, interior; Rep. gr. 70 ; Linings / insulations.
- Install sliding/tilting sunroof glass lid.

1.17 Guide with steel cable - remove

- Remove sliding/tilting sunroof glass lid.
- Remove sunroof
- Remove sliding roof activation motor -V1- .
- Remove sliding device guides.



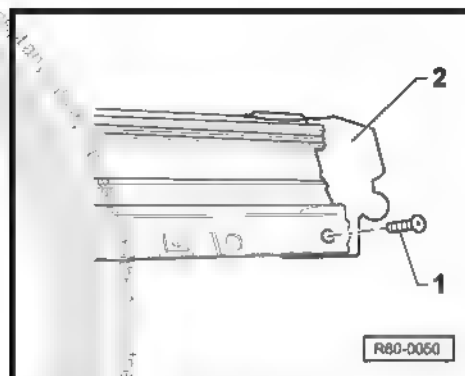
- Remove screw -1- and disengage tip -2-.



Note

Seal tip -1- with Butyl adhesive cord -AKL 450 005 05- in the opposite side from guide rail when installing.

- Pull guide with steel cable outwards



1.17.1 Assembly notes:

- ◆ Always replace guides with steel cable in pairs.
- ◆ Lubricate guide channels with special grease -G 000 450 02-.
- ◆ Install sunroof.
- ◆ Adjust parallelism.
- ◆ Install glass for sliding/tilting sunroof.

1.18 Drain hoses - clean

1.18.1 Front water drain hoses:

Front water drain hoses ⇒ [Item 2 \(page 145\)](#) pass throughout pillars A and end on water case. Clean as from sliding/tilting roof cut



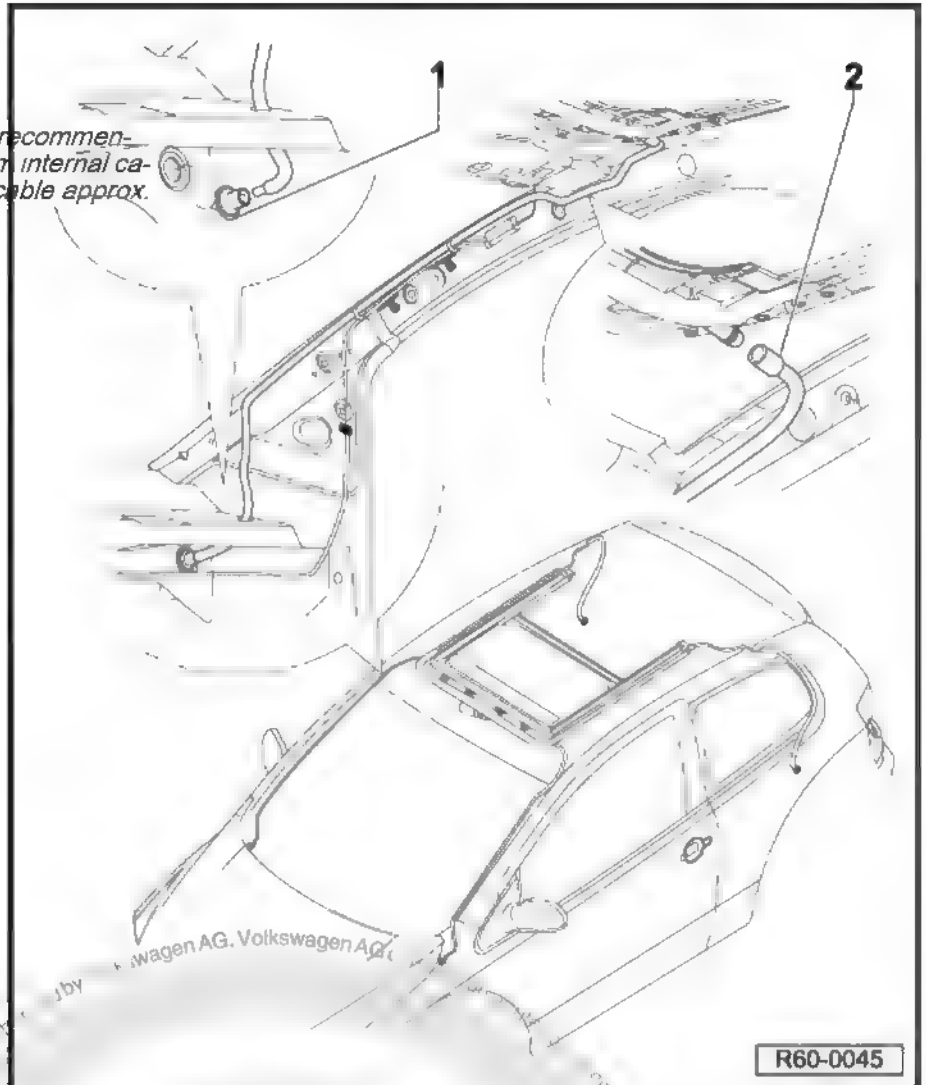
1 - Water drain valve



Note

A properly-built tool is recommended for cleaning as from internal cable of a speedometer cable approx. 2300 mm long

2 - Water drain hose:



1.18.2 Rear water drain hoses:

Rear water drain hoses ⇒ [Item 1 \(page 146\)](#) pass through and end on the roof rear edge before rear lid. Clean as from hose rear edge. Remove cover to perform this.



1 - Water drain hose:



Note

A properly-built tool is recommended for cleaning as from internal cable of a speedometer cable approx. 2300 mm long.

2 - Clip

3 - Water drain valve





63 – Bumpers

1 Front bumper

1.1 Front protector (Fox) - assembly overview

1 - Front protector

- ☐ remove [page 148](#)

2 - Adjustment nut

- ☐ ► 03.04
- ☐ 2 parts
- ☐ adjust with no tension

3 - Counter nut

- ☐ ► 03.04
- ☐ 2 parts
- ☐ Torque: 6.5 Nm

4 - Front panel

5 - Screw

- ☐ 4 parts
- ☐ Torque: 6.5 Nm

6 - Coupling nut

- ☐ 6 parts

7 - Screw

- ☐ 8 parts
- ☐ Torque: 1.5 Nm

8 - Coupling nut

- ☐ 4 parts

9 - Screw

- ☐ 2 parts
- ☐ 6.5 Nm

10 - Screw

- ☐ 4 parts
- ☐ Torque: 1.5 Nm

11 - Screw

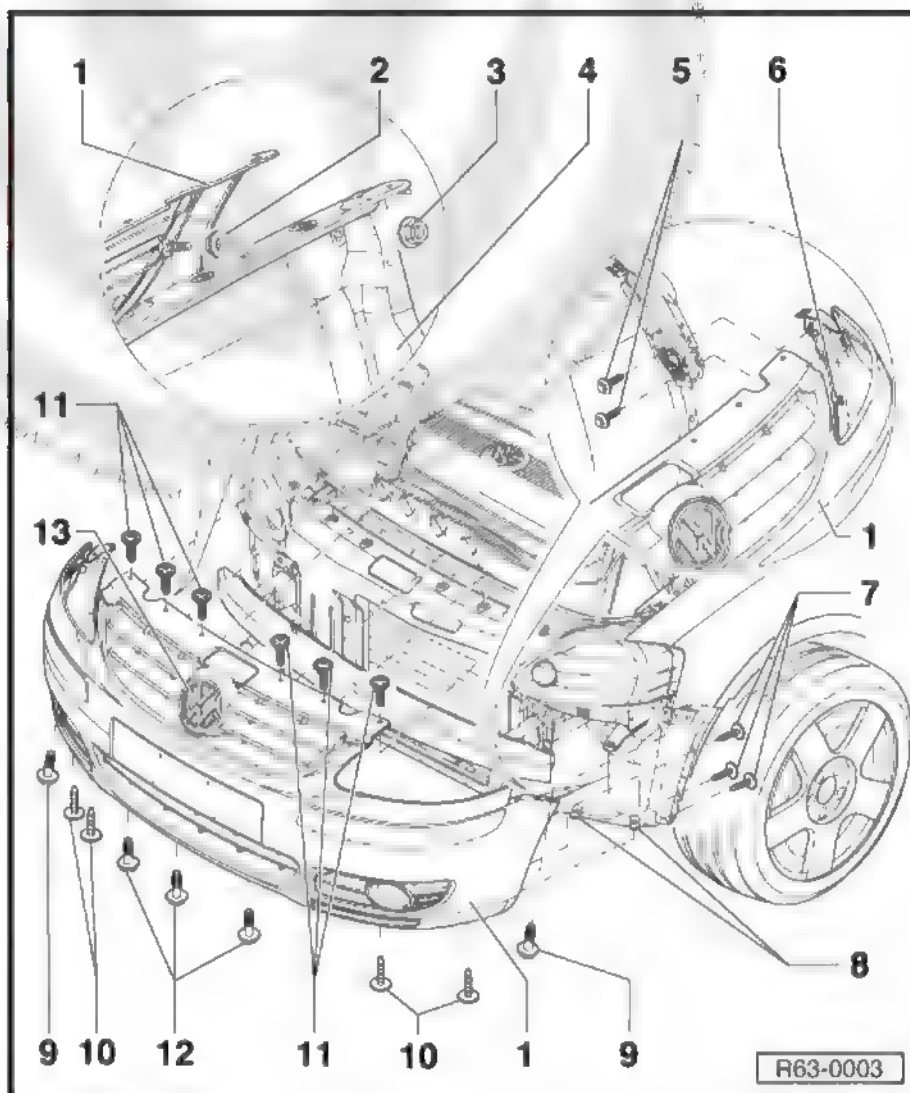
- ☐ 6 parts
- ☐ Torque: 6.5 Nm

12 - Screw

- ☐ 3 parts
- ☐ Torque: 6.5 Nm

13 - Front VW badge

- ☐ fitted to the bumper covering





1.2 Front protector (New Fox) - assembly overview

1 - Side guide

2 - Plastic bushing

☐ replace if necessary

3 - Screw

☐ 2 parts

☐ Torque: 1.5 Nm

4 - Riveted nut

☐ To install, use the POP NUT rivet nut applicator -VAG 1765B- or POP NUT rivet nut applicator -EQ 7422-

5 - Screw

☐ 6 parts

☐ Torque: 3 Nm

6 - Screw

☐ 6 parts

☐ Torque: 1.5 Nm

7 - Riveted nut

☐ To install, use the POP NUT rivet nut applicator -VAG 1765B- or POP NUT rivet nut applicator -EQ 7422-

8 - Screw

☐ 4 parts

☐ Torque: 1.5 Nm

9 - Screw

☐ 3 parts

☐ Torque: 3 Nm

10 - Front protector

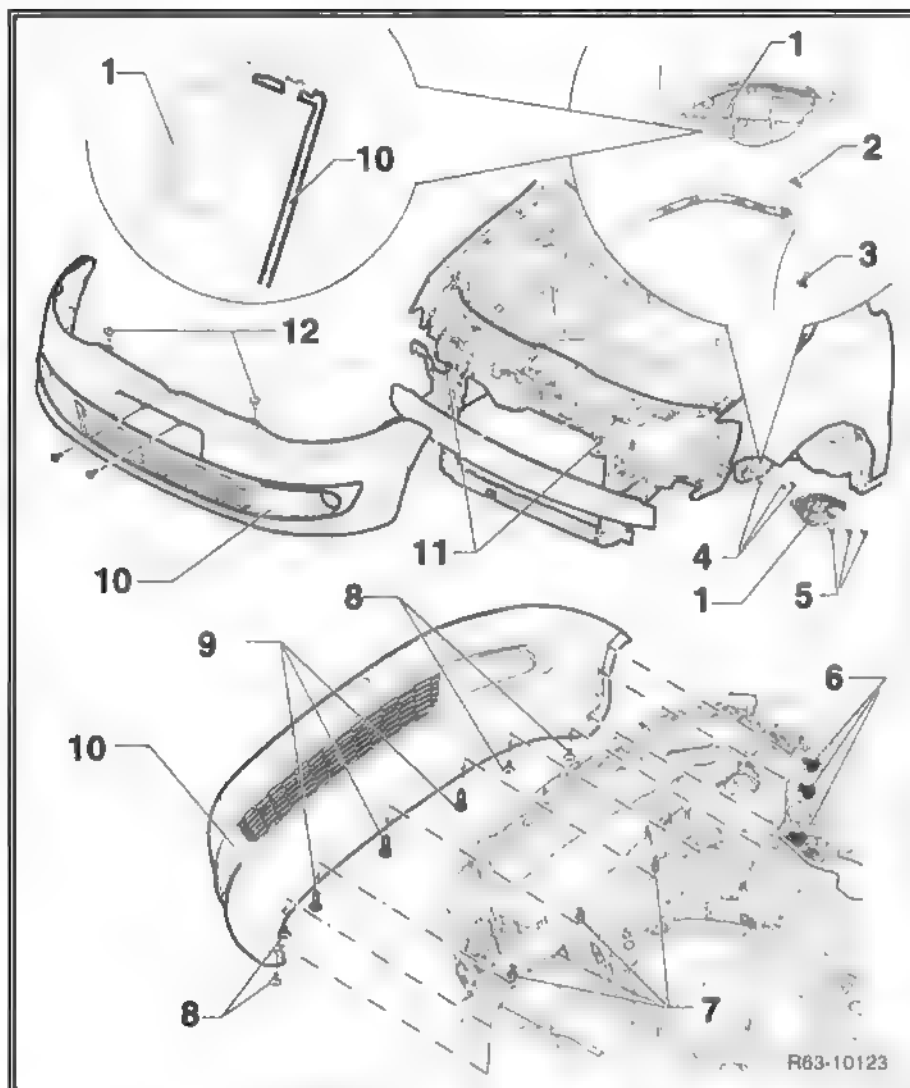
11 - Riveted nut

☐ To install, use the POP NUT rivet nut applicator -VAG 1765B- or POP NUT rivet nut applicator -EQ 7422-

12 - Screw

☐ 2 parts

☐ Torque: 3 Nm

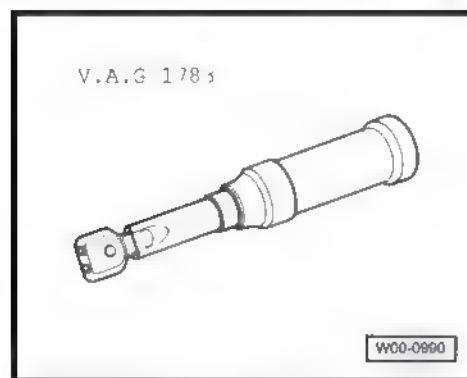


1.3 Front bumper protector (Fox) - remove and install

Special tools and workshop equipment required



- ◆ Torque wrench 2 to 10 Nm -VAG 1783-



1.3.1 Remove



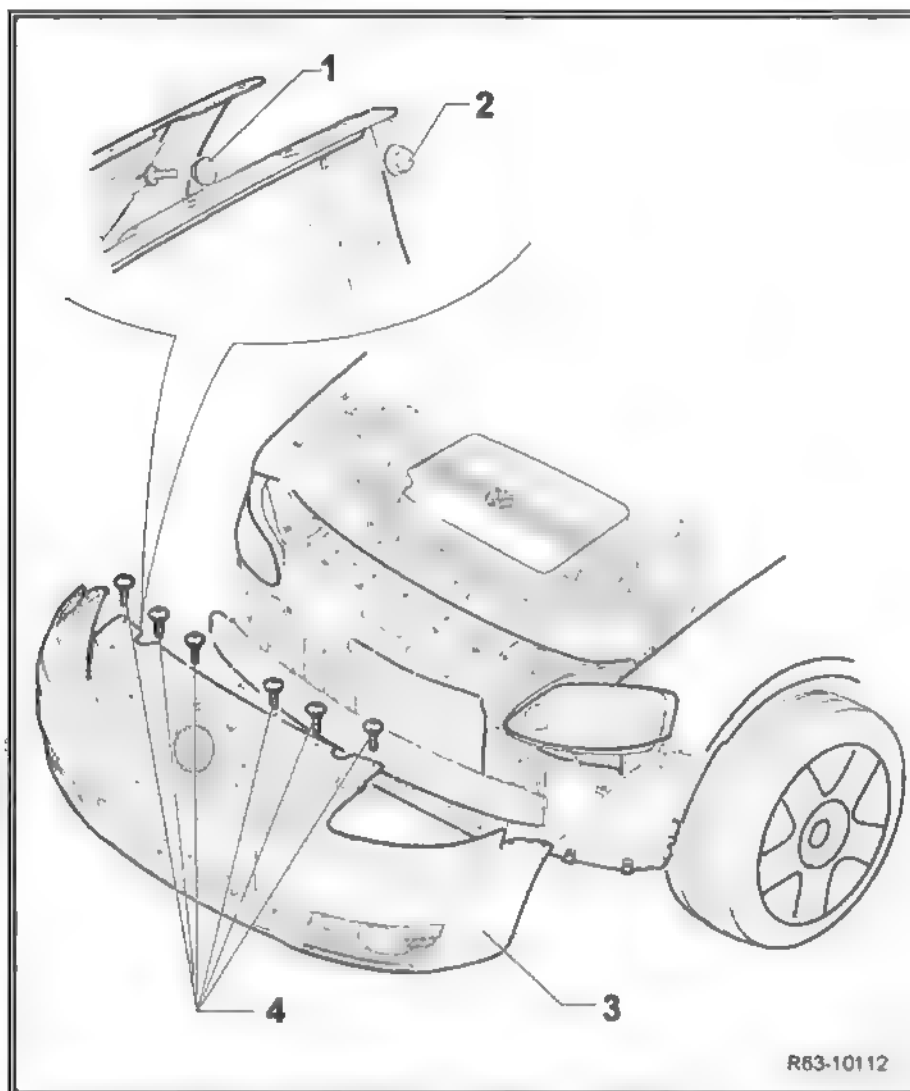
Note

For the CrossFox (➤ 2007), it is necessary to remove the fastening screws -4- from the central protector cross member.

- Remove noise insulation



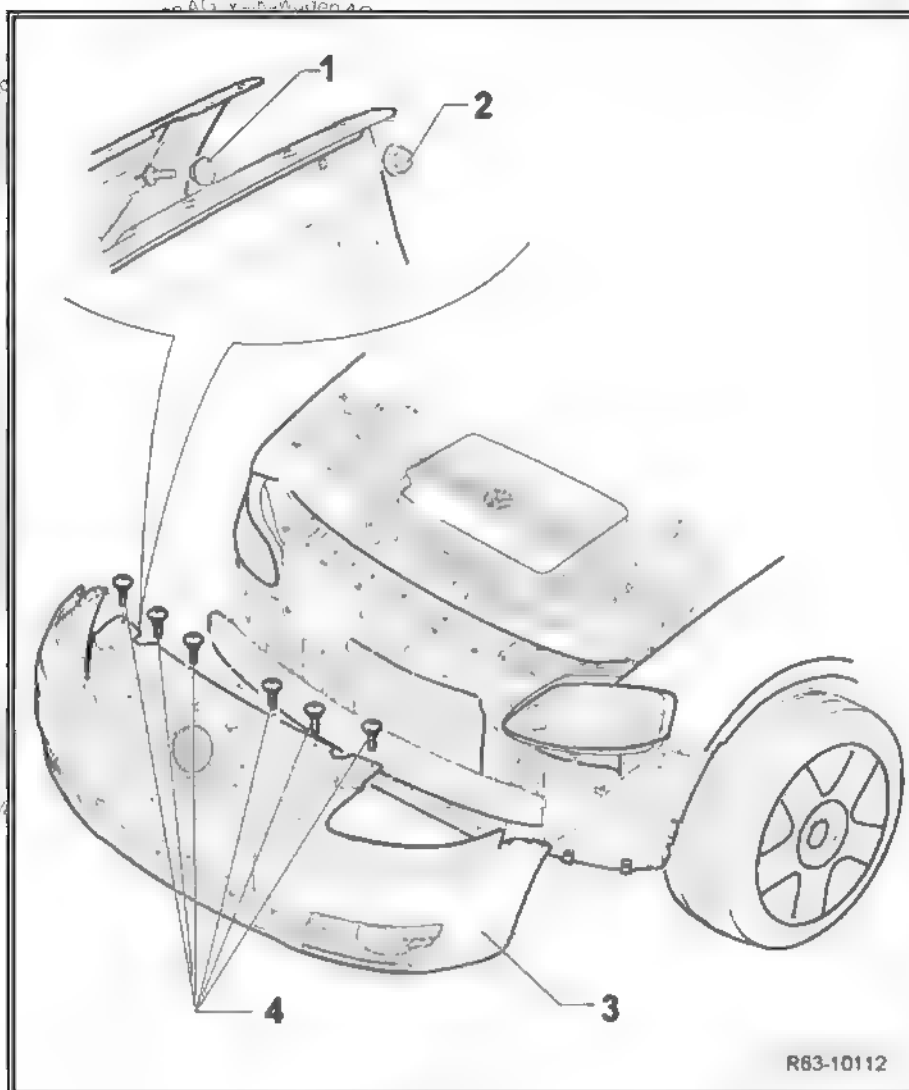
- Remove screws -2- and -5- (1 5 Nm) from wheel case protectors
- Remove screws -6- from the lower fastening of wheel case protectors
- Remove screws -3- and -7-
- Move the wheel case protector downwards and remove screws -3- and -1-



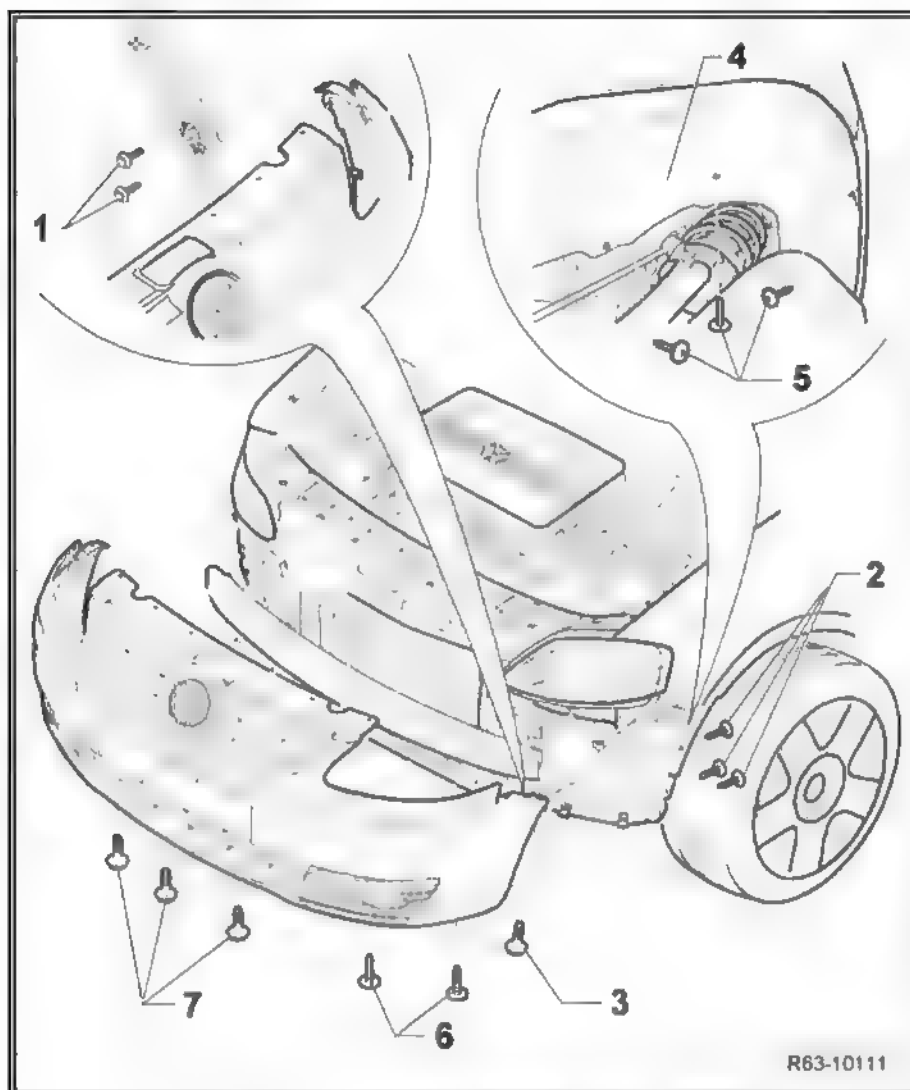
- Remove locknut -2- (► 03 04).
- Remove the screws -4-.
- Carefully remove the bumper covering -3- forward.
- Disengage the electrical connectors (fog light, long-range headlights - CrossFox).

1.3.2 Install

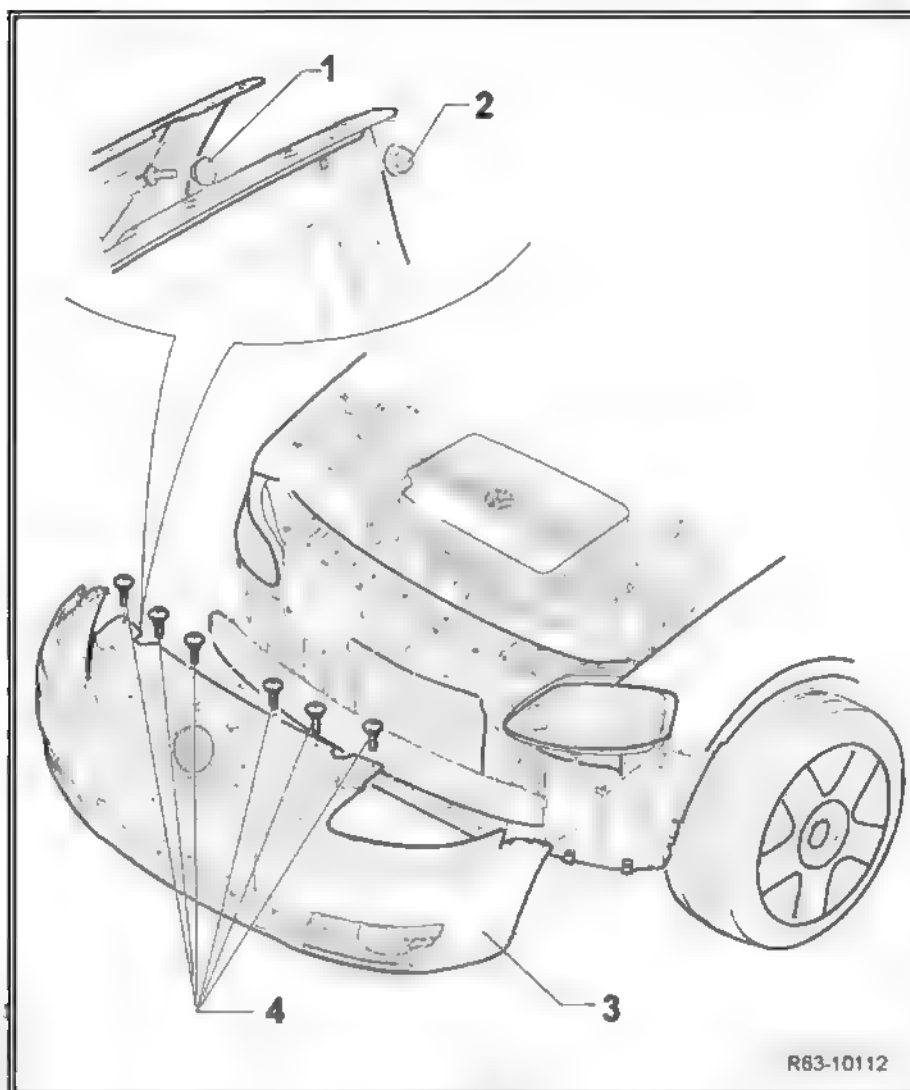
Install is performed in the reverse sequence, observing the following:



- Fasten the adjustment nuts -1- and -2- (➤ 03.04) to the front bumper threaded pins.
- Place the front bumper -3- and manually fasten the screws -4-.



- Manually fasten screws -3- and -7-.



R63-10112

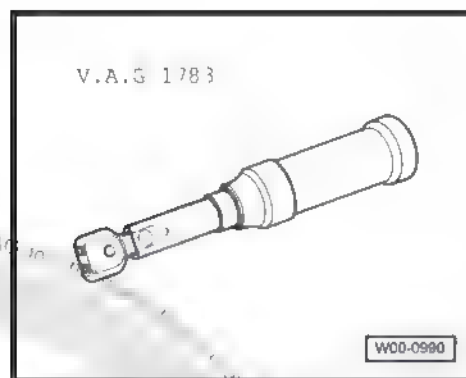
- Align the front protector -3- in the elongated holes with the headlight housing and wing, by using the adjustment nuts (► 03.04) ➤ Body Repairs; Rep. gr. 00 ; Body clearance dimensions
- Turn the adjustment nuts without tensioning (► 03.04) against the front panel.
- Tighten all the screws definitively.

1.4 Front bumper protector (New Fox) - remove and install

Special tools and workshop equipment required

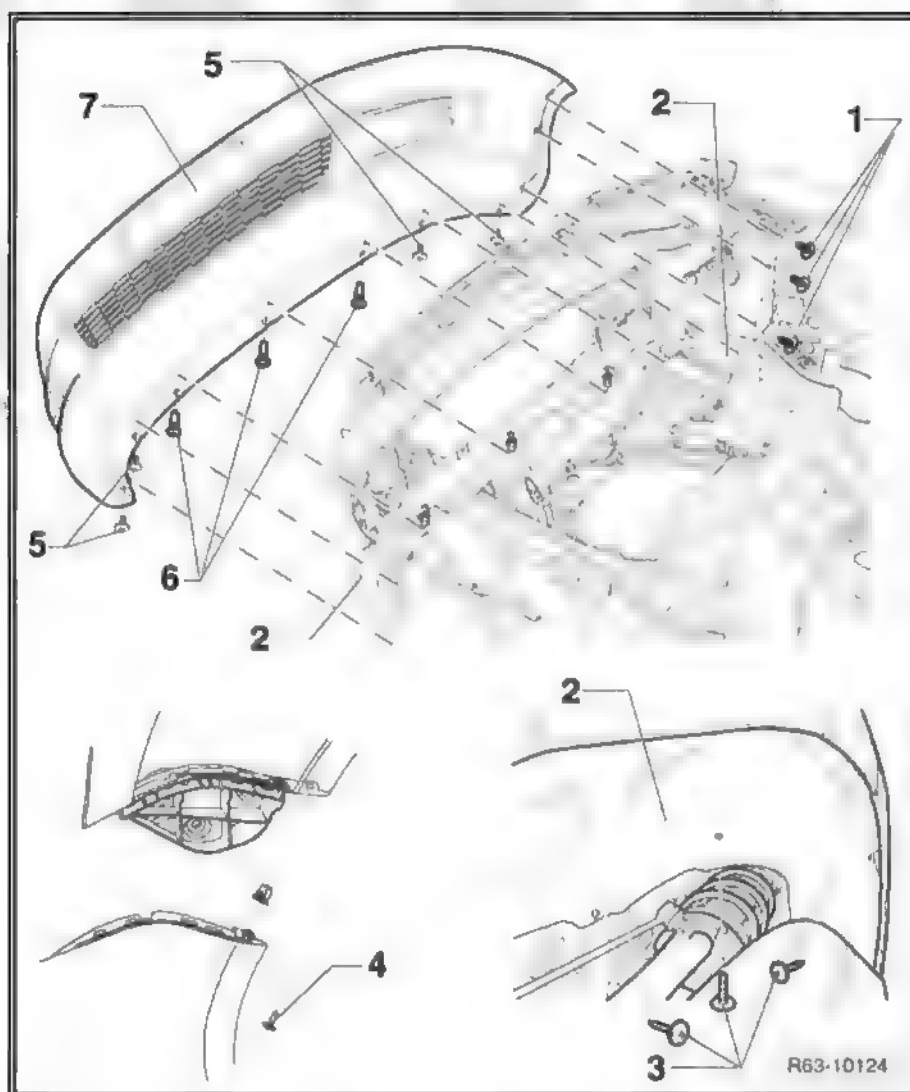


- ◆ Torque wrench 2 to 10 Nm -VAG 1783-



1.4.1 Remove

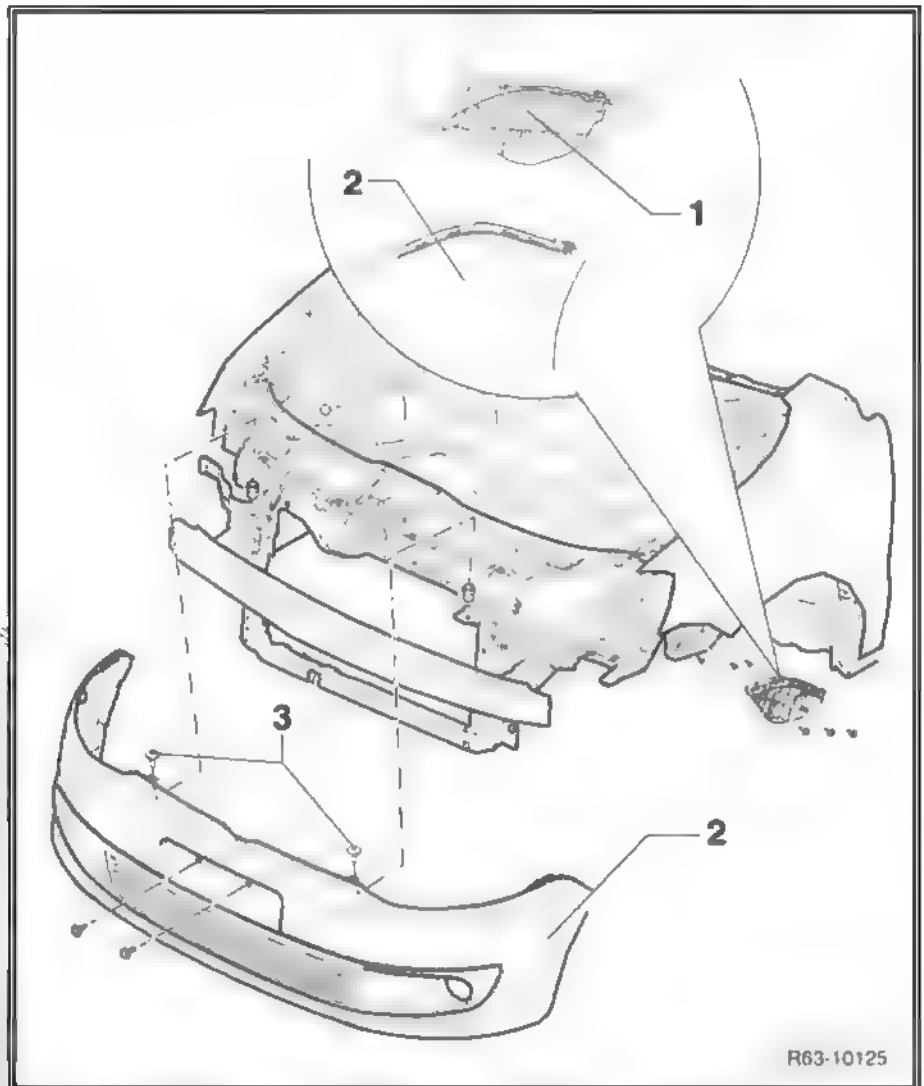
- Remove the front grid.



- Remove screws -1- and -3- (1.5 Nm) from wheel case protectors.
- Move wheel case protector downwards and remove screws -4- (1.5 Nm).
- Remove the screws -5- (1.5 Nm)



- Remove the screws -6- (3 Nm).



- Disengage front protector -2- from guide -1-.
- Remove fastening screws -3- from front panel protector.
- Remove front protector.
- Carefully remove front protector -3- forward.
- Disconnect connectors from fog lights and external temperature sensor -G17-.

1.4.2 Install

Install is performed in the reverse sequence, observing the following

- Check clearance dimensions ⇒ Body Repairs, Rep gr. 00 , Technical data - Body clearance dimensions before tighten fastening screws



1.5 Front protector support - assembly overview

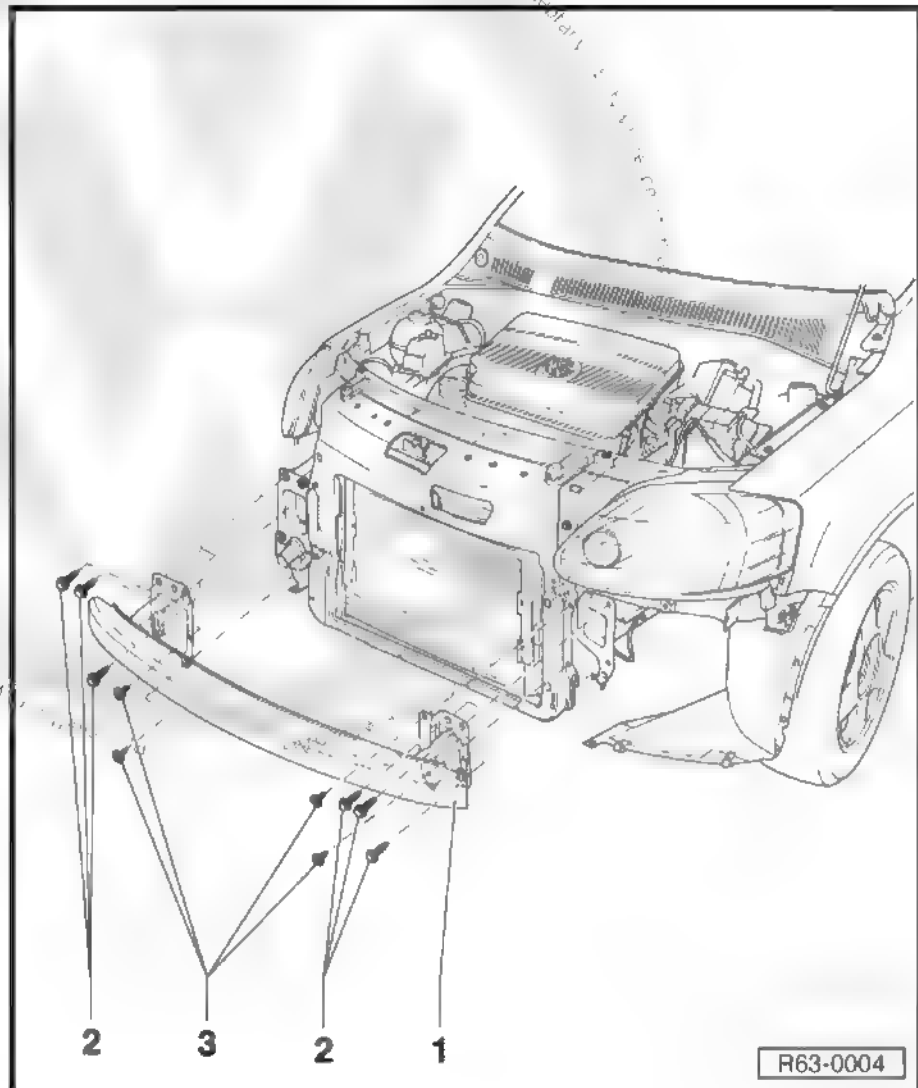
1 - Front protector support

2 - Screw

- 6 parts
- Torque: 35 Nm

3 - Screw

- 4 parts
- Torque: 8 Nm





2 Rear bumper

2.1 Rear protector (Fox) - assembly overview

1 - Guide part

- ☐ The bumper cover
→ [Item 2 \(page 157\)](#) is
fitted to the guide
groove

2 - Rear protector

- ☐ remove → [page 159](#)

3 - Screw

- ☐ 3 parts
- ☐ Torque: 6.5 Nm

4 - License plate light

- ☐ fitted to the bumper cov-
ering

5 - Coupling nut

- ☐ 6 parts

6 - Screw

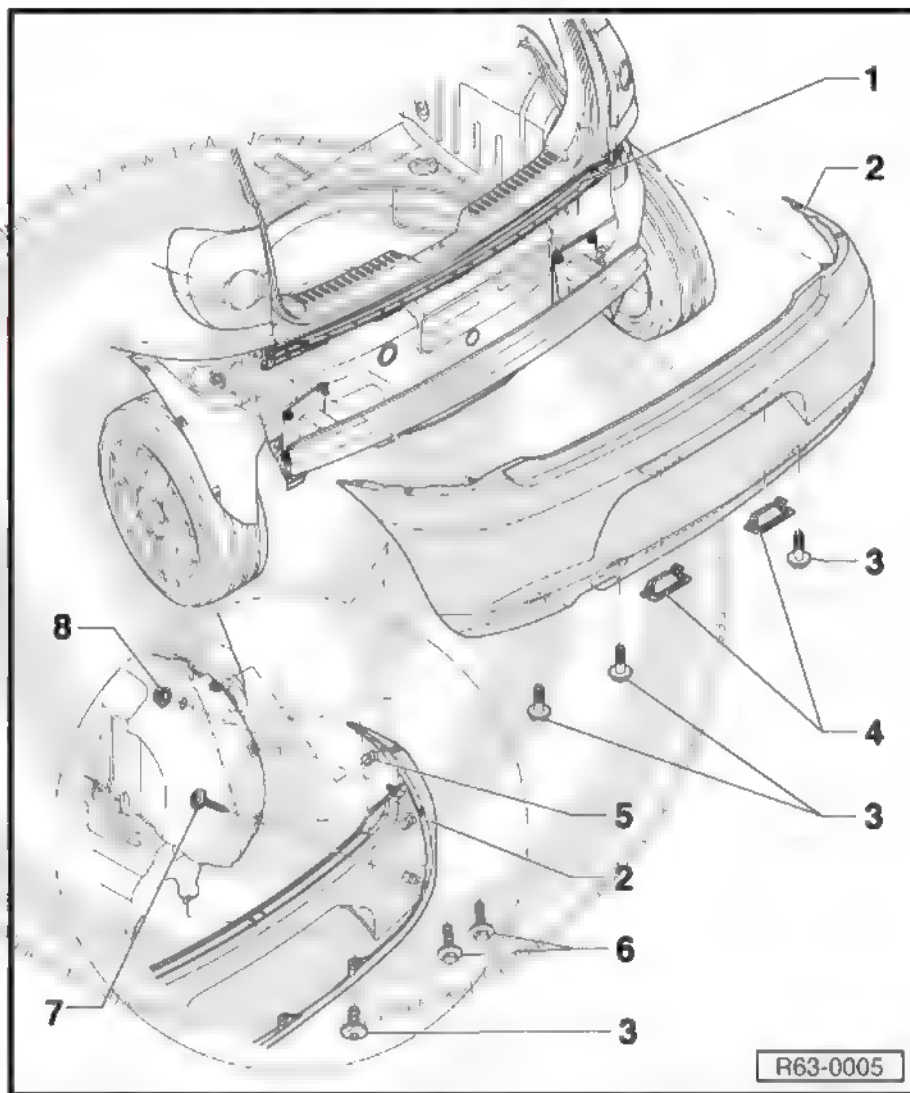
- ☐ 4 parts
- ☐ Torque: 6.5 Nm

7 - Screw

- ☐ 6 parts
- ☐ Torque: 1.5 Nm

8 - Hexagonal nut

- ☐ 2 parts
- ☐ Torque: 6.5 Nm





2.2 Rear protector (New Fox) - assembly overview

1 - Nut

- ☐ 2 parts
- ☐ Torque: 6.5 Nm

2 - Rear protector

- ☐ Remove and install
⇒ [page 161](#)

3 - Rear wheel case protector

- ☐ Remove and install

4 - Screw

- ☐ Torque: 1.5 Nm

5 - Screw

- ☐ Torque: 6.5 Nm

6 - Screw

- ☐ Torque: 6.5 Nm

7 - Riveted nut

- ☐ 6 parts
- ☐ Install with the POP
NUT rivet nut applicator
-VAG 1765B- or POP
NUT rivet nut applicator
-EQ 7422- .

8 - Sensor sealing

9 - Parking sensor -G203 / G204 / G205 / G206-

10 - Support for the Parking auxiliary sensor -G203 / G204 / G205 / G206-

11 - Double-sided adhesive tape

- ☐ The adhesive tape ad-
hesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched.

12 - Adhesive area for the support of the Parking auxiliary sensor -G203 / G204 / G205 / G206-

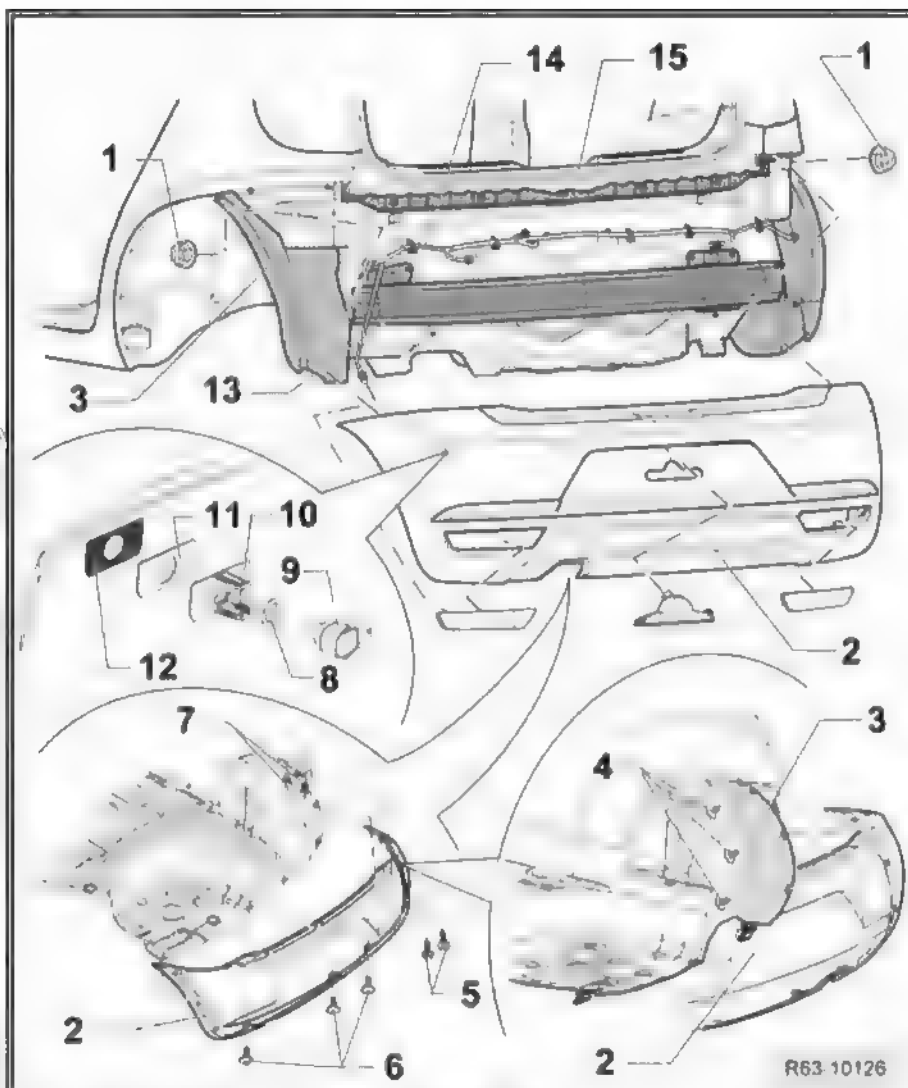
13 - Rear protector support

- ☐ Remove the rear protector ⇒ [page 166](#) .

14 - License plate light harness, of parking aid sensors -G203 / G204 / G205 / G206- and fog light

15 - Rear protector fitting support

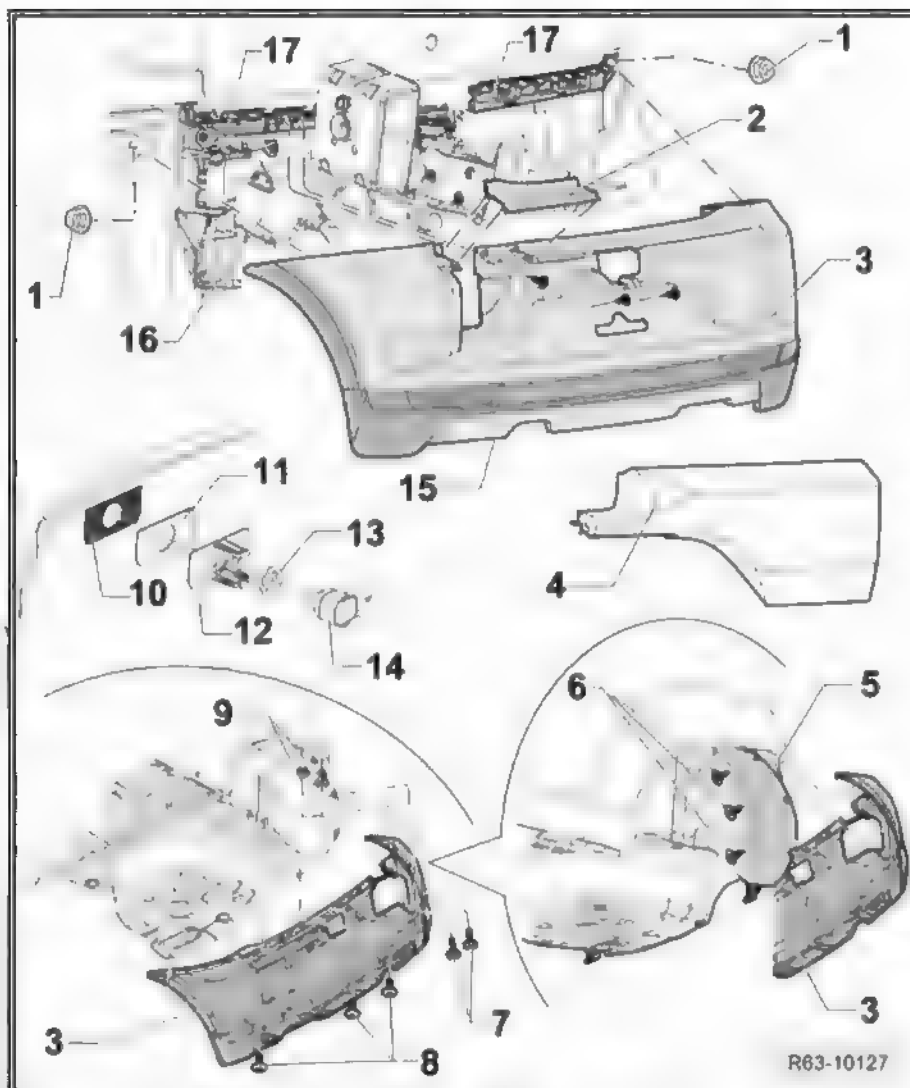
- ☐ Remove the rear protector ⇒ [page 161](#) .





2.3 Rear protector (New Fox) - assembly overview

- 1 - Nut
 - ☐ 2 parts
 - ☐ Torque: 6.5 Nm
- 2 - Cover
- 3 - Rear protector
 - ☐ Remove and install
⇒ [page 161](#)
- 4 - Remove spare wheel support
- 5 - Rear wheel case protector
 - ☐ Remove and install
- 6 - Screw
 - ☐ Torque: 1.5 Nm
- 7 - Screw
 - ☐ Torque: 6.5 Nm
- 8 - Screw
 - ☐ Torque: 6.5 Nm
- 9 - Riveted nut
 - ☐ 6 parts
 - ☐ Install with the POP
NUT rivet nut applicator
-VAG 1765B- or POP
NUT rivet nut applicator
-EQ 7422- .
- 10 - Adhesive area for the support of the Parking auxiliary sensor -G203 / G204 / G205 / G206-
- 11 - Double-sided adhesive tape



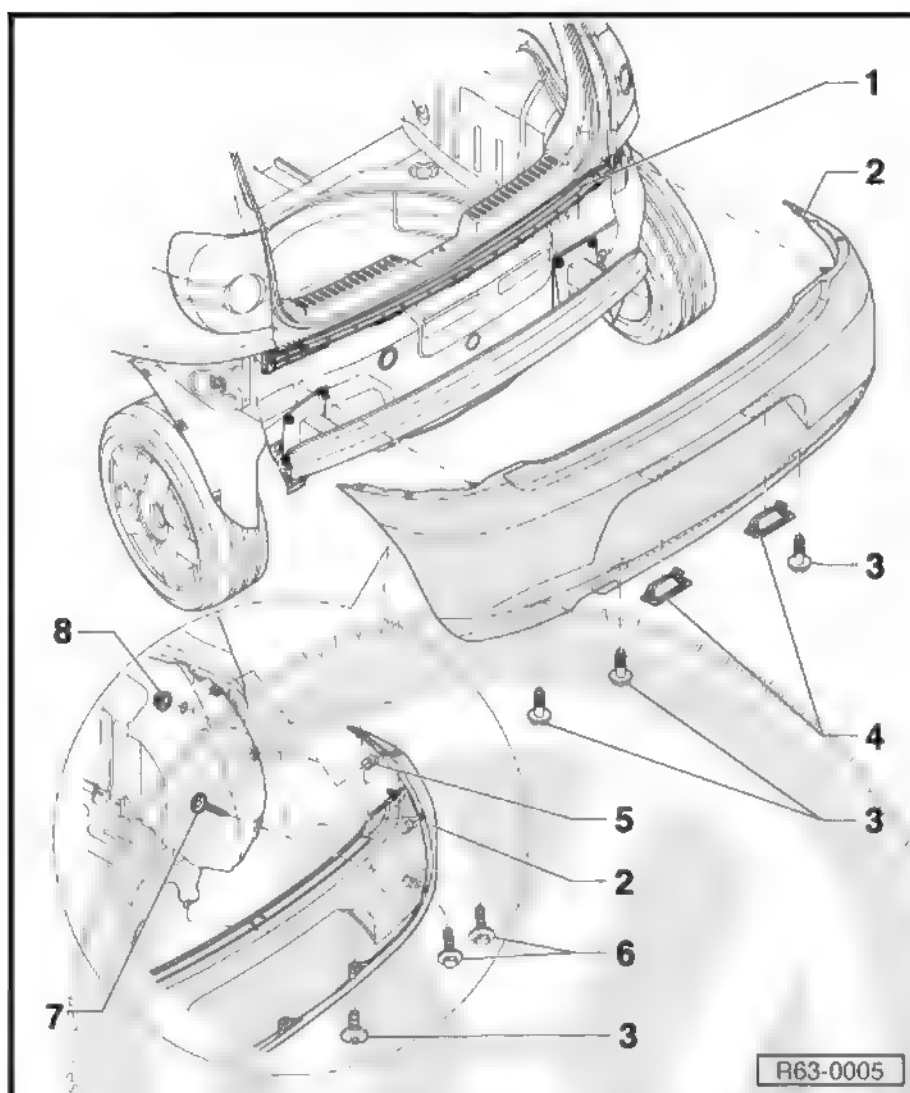
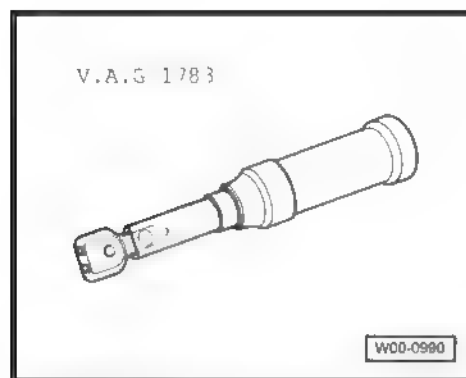
- ☐ The adhesive tape adhesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched.
- 12 - Support for the Parking auxiliary sensor -G203 / G204 / G205 / G206-
- 13 - Sensor sealing
- 14 - Parking sensor -G203 / G204 / G205 / G206-
- 15 - Screw
 - ☐ Torque: 1.5 Nm
- 16 - Spare wheel support
- 17 - Rear protector fitting support
 - ☐ remove rear protector .

2.4 Rear protector (Fox) - remove and install

Special tools and workshop equipment required



- ◆ Torque wrench 2 to 10 Nm -VAG 1783-

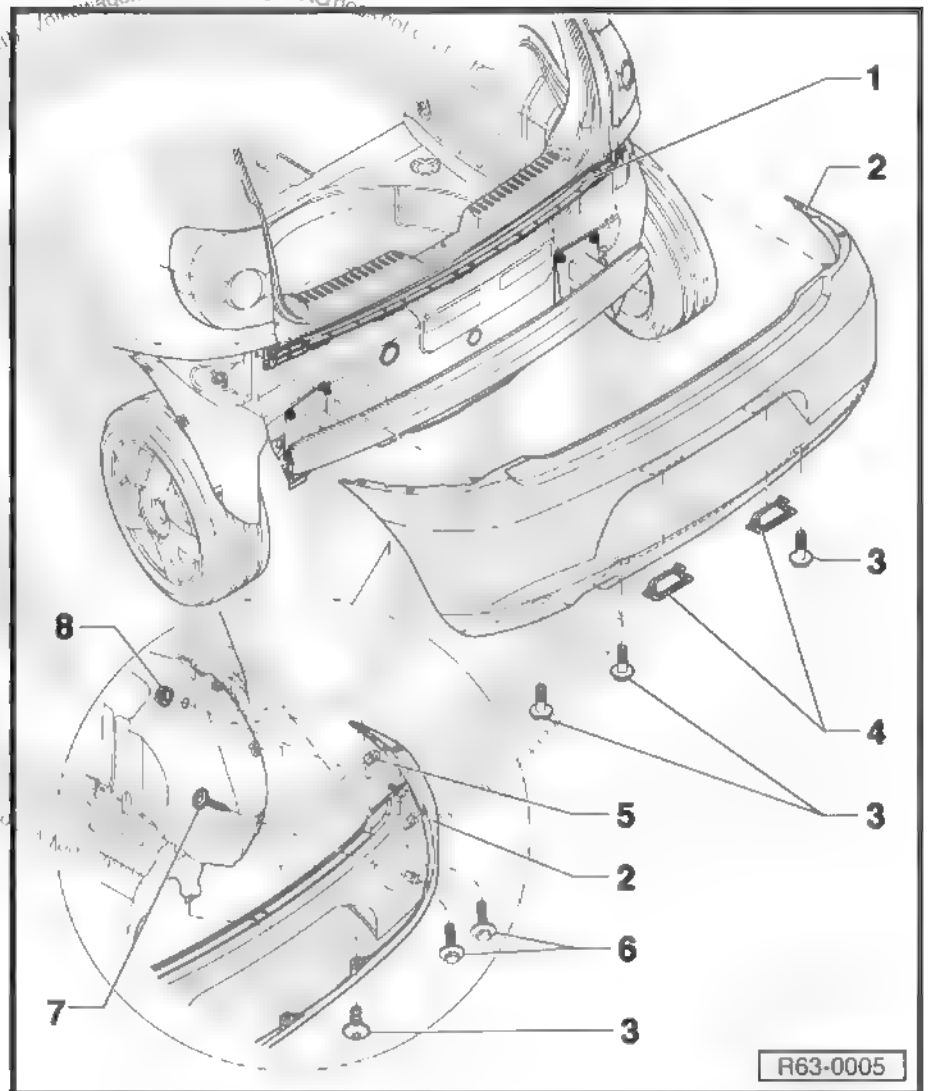


Remove

- Remove screws -7- from the wheel case protectors.
- Remove screws -6- and remove hexagonal nuts -8-; in order to do that press wheel case protector aside or remove it to facilitate disassembly.
- Remove the screws -3-.



- Carefully pull rear protector -2- out of the guide part groove -1-, also disconnect license plate light connectors



Install

Install is performed in the reverse sequence, observing the following:

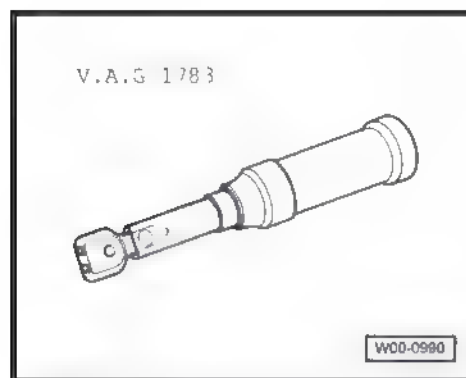
- Carefully push rear protector -2- in the guide part groove -1- and also connect license plate light connectors
- Manually fasten the hexagonal nuts -8-.
- Manually fasten screws -6- and -3-.
- Align the rear protector -2- in the elongated holes with the body
⇒ Body Repairs; Rep. gr. 00 , Technical data
- Fasten screws -6-, -3- and hexagonal nuts -8- with tightening torque of 6.5 Nm

2.5 Rear protector (New Fox) - remove and install

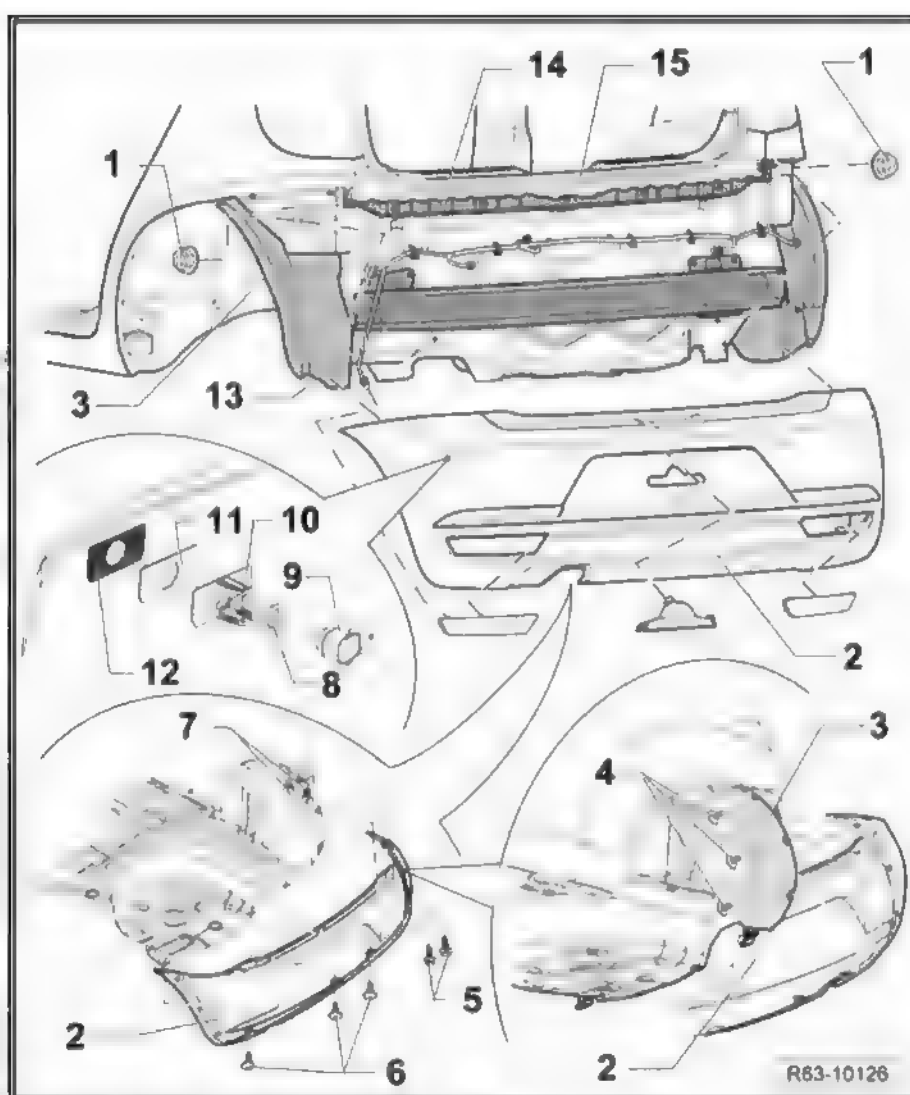
Special tools and workshop equipment required



- ◆ Torque wrench 2 to 10 Nm -VAG 1783-



2.5.1 Remove



- Remove screws -4- from wheel case protectors -3-.
- Remove screws -5- and remove hexagonal nuts -1-; in order to do that move the wheel case protector aside
- Remove the screws -6-.
- Carefully pull rear protector -2- and disengage from support -15-.

- ## 2.5.2 Install



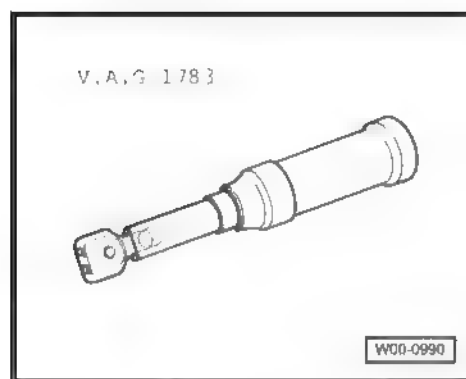
- Connect electrical harness -14- from license plate light, from parking aid sensors -G203 / G204 / G205 / G206- and from fog light
- Carefully push rear protector -2- and fit in the support -15-.
- Manually fasten the hexagonal nuts -1-.
- Manually fasten screws -5- and -6-.
- Align rear protector -6- and check clearances → Body Repairs; Rep. gr. 00 ; Technical data
- Definitely fasten screws -6-, -5-, -4- and hexagonal nuts -1-.



2.6 Rear protector (New CrossFox) - remove and install

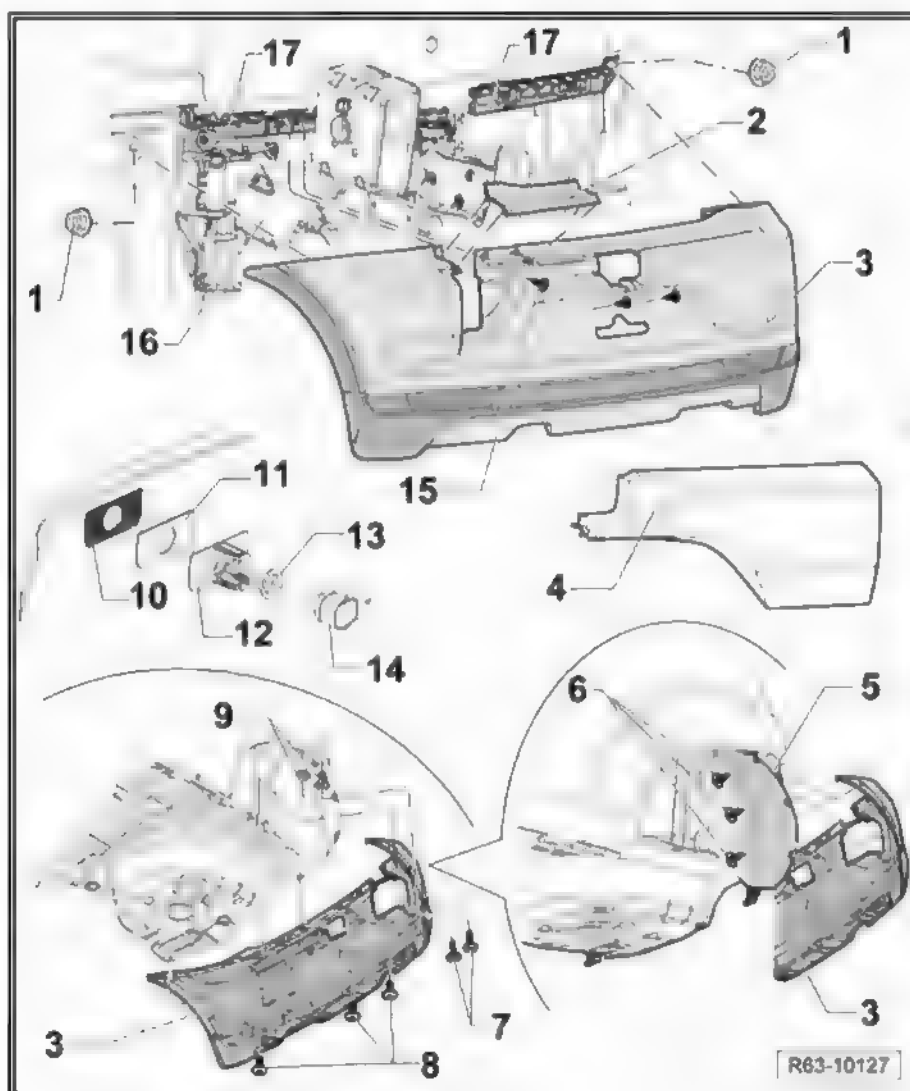
Special tools and workshop equipment required

- ◆ Torque wrench 2 to 10 Nm -VAG 1783-



2.6.1 Remove

- Remove spare wheel.
- Remove the internal lining of spare wheel support .

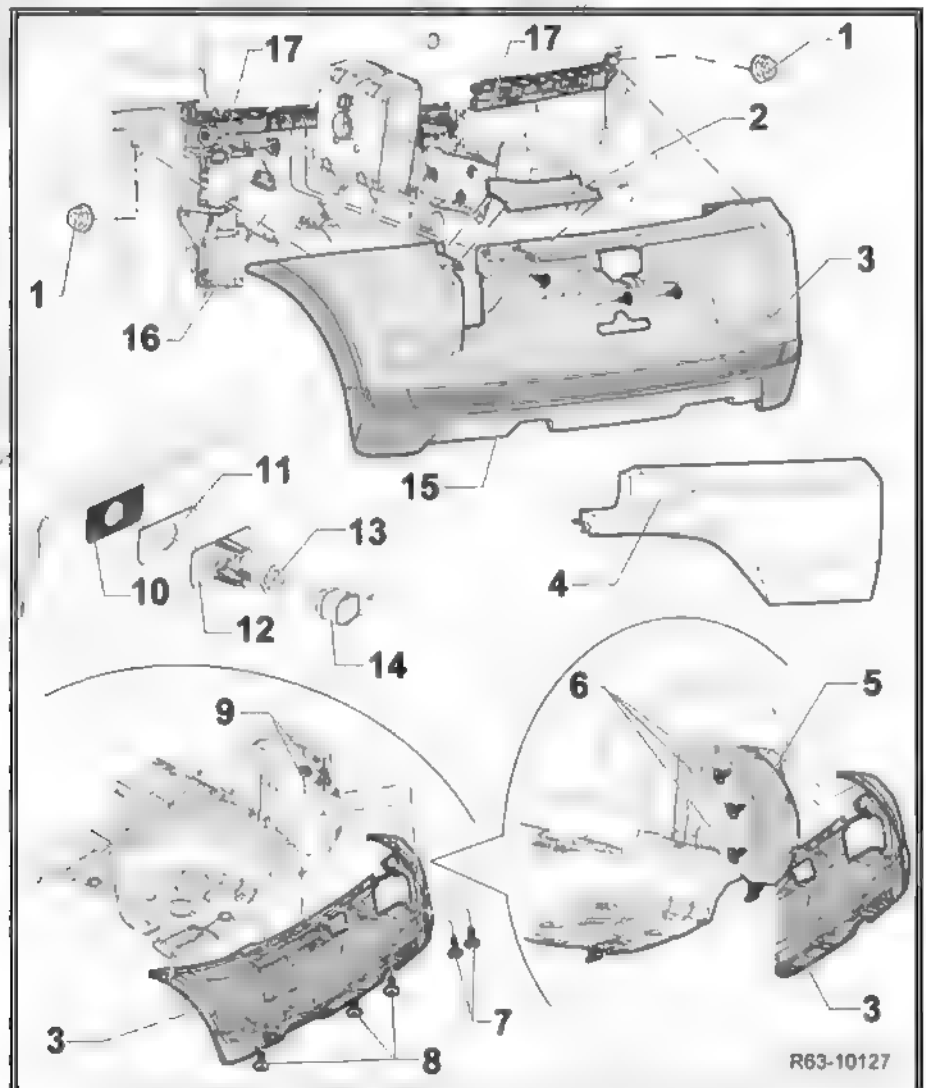




- Remove spare wheel support internal lining -4- .
- Remove screws -6- from wheel case protectors -5-
- Remove screws -7- and remove hexagonal nuts -1-; in order to do that move the wheel case protector aside
- Remove the screws -8-.
- Move spare wheel support -16- to access the cover -2-.
- Remove cover -2- and screws -15-
- Carefully pull rear protector -3- and disengage from support.
- Disconnect electrical harness from license plate light, parking aid sensors -G203 / G204 / G205 / G206- , and fog light.

2.6.2 Install

Installation is performed in the reverse sequence, observing the following:



- Disconnect electrical harness from license plate light, parking aid sensors -G203 / G204 / G205 / G206- , and fog light
- Carefully pull rear protector -3- and engage into support.
- Manually fasten the hexagonal nuts -1-

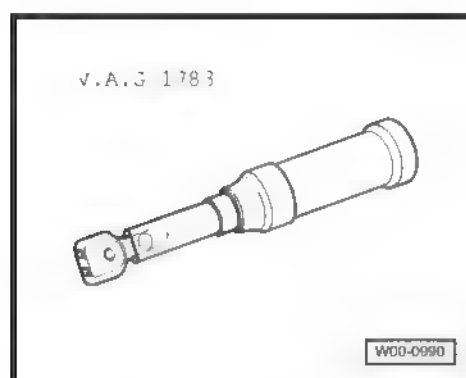


- Manually fasten screws -7- , -8- , -6- and -15-
- Align rear protector -3- and check clearances ➔ Body Repairs; Rep. gr. 00 ; Technical data
- Definitely fasten screws -7- , -8- , -6- , -15-, and hexagonal nuts -1-.
- Install the cover -2-.
- Remove spare wheel support internal lining -4-.
- Install spare wheel support internal lining .
- Install the spare wheel.

2.7 Rear protector support - remove and install

Special tools and workshop equipment required

- ◆ Torque wrench 2 to 10 Nm -VAG 1783-

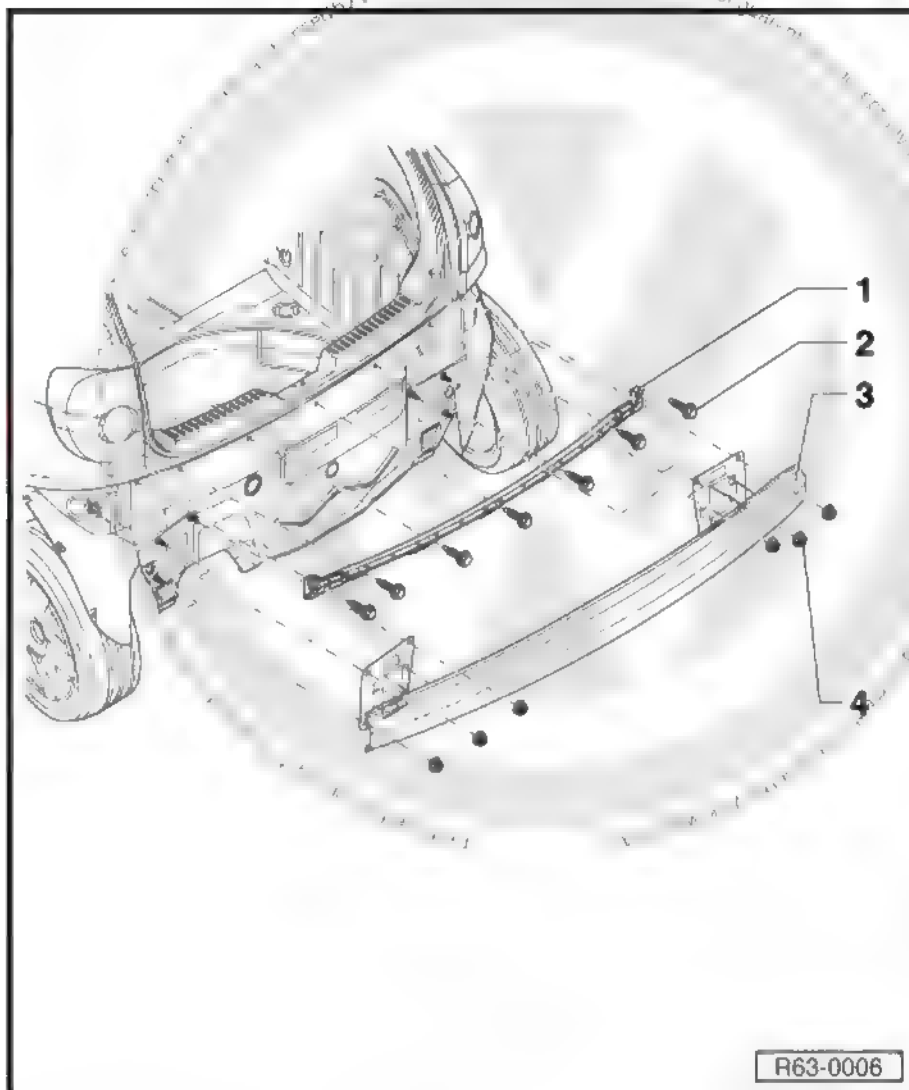


- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-





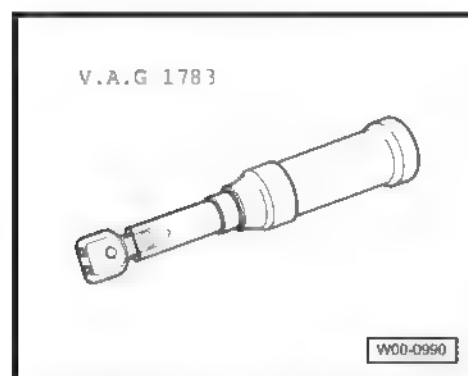
- 1 - Protector support
- 2 - Screw
 - ❑ 7 parts
 - ❑ Torque: 3 Nm
- 3 - Rear protector support
 - ❑ Remove rear protector
➔ [page 161](#) .
- 4 - Hexagonal nut
 - ❑ 6 parts
 - ❑ Torque: 20 Nm



2.8 Rear protector support (New CrossFox) - remove and install

Special tools and workshop equipment required

- ◆ Torque wrench 2 to 10 Nm -VAG 1783-





- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-

V.A.G 1331



W00-0427

1 - Riveted nut

- ☐ To install, use the riveted nut applicator POP NUT -VAG 1765B- or riveted nut applicator POP NUT -EQ 7422-

2 - Protector support

3 - Screw

- ☐ 6 parts
- ☐ Torque: 3 Nm

4 - Hexagonal nut

- ☐ 3 parts
- ☐ Torque: 20 Nm

5 - Rear protector support

- ☐ Remove
- Remove rear protector ⇒ [page 164](#) .
- Remove spare wheel support internal lining.
- Disconnect harness clamps from connectors of: spare wheel locking motor -V340- and spare wheel unlocking switch on support -E727- .
- Remove nuts -4- and screws -6-.

6 - Screw

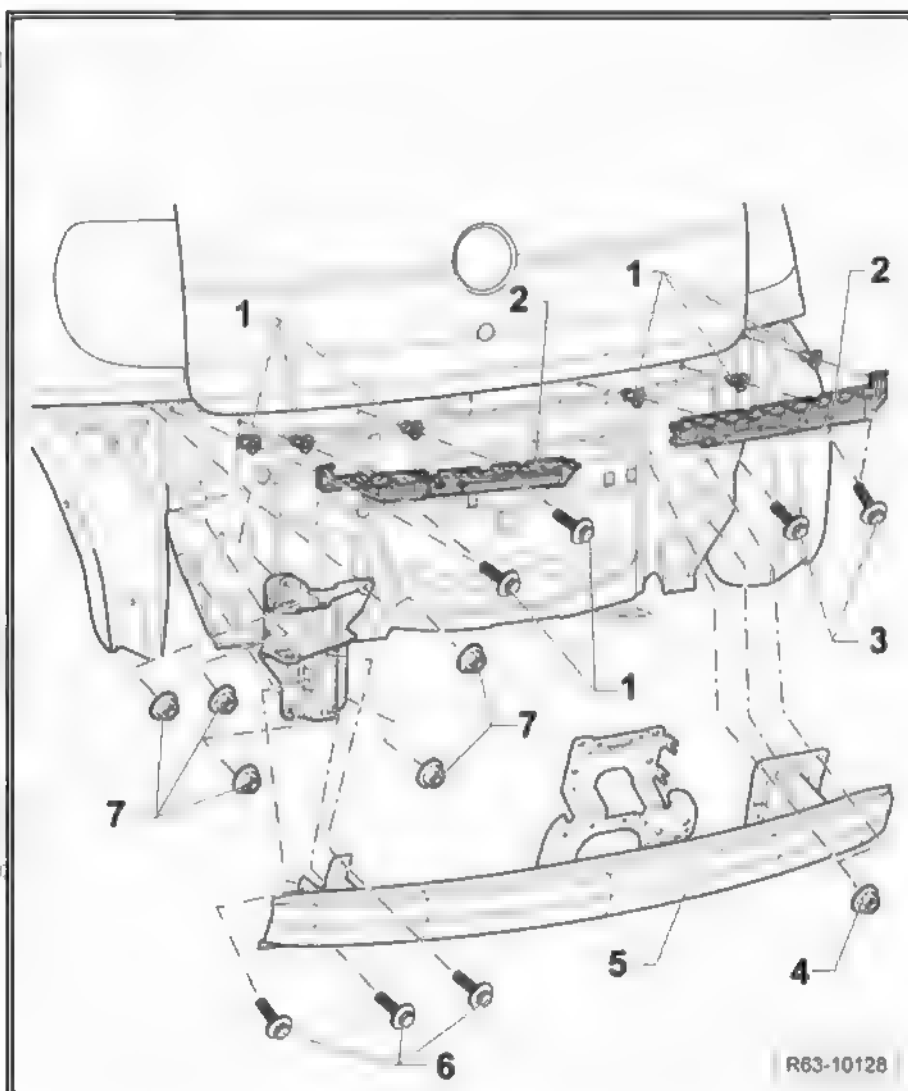
- ☐ 3 parts
- ☐ Torque: 20 Nm

7 - Hexagonal nut

- ☐ 5 parts
- ☐ Torque: 20 Nm

8 - Spare wheel support

- ☐ Remove and install





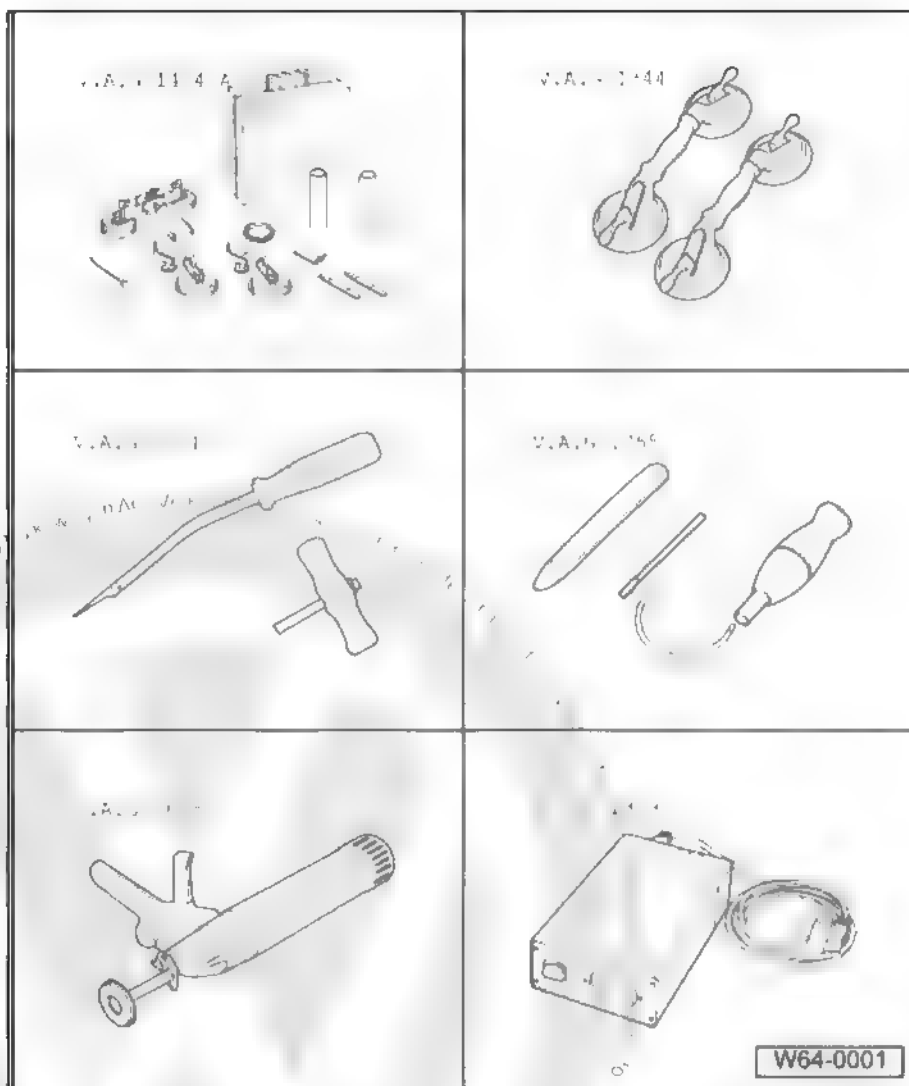
64 – Windows

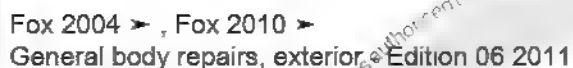
1 Glasses glued with adhesive

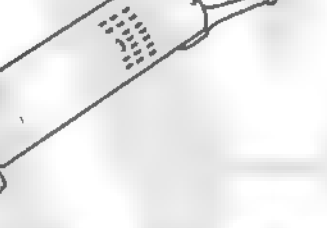
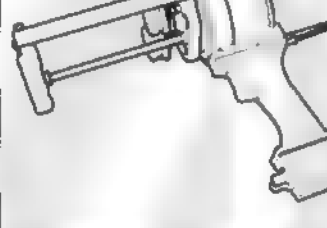
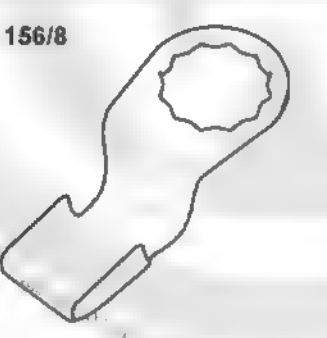
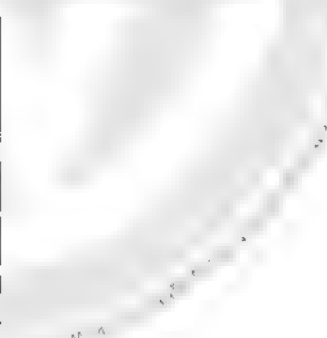
1.1 Tools

Special tools and workshop equipment required

- ◆ Glued glass removal kit - VAG 1474B-
- ◆ Suction pads -V.A.G 1344-
- ◆ Anchoring tool -VAG 1351-
- ◆ Glass removal kit -V.A.G 1755-
- ◆ Manual pressure gun - V.A.G 1628-
- ◆ Device with ratchet -VAG 1654A-
- ◆ Panel protection film -VAG 1474/8-
- ◆ Cartridge heater -V.A.G 1939-





- | | |
|--|---|
| <p>V.A.G 1561 A</p>  | <p>VAS 5237</p>  |
| <p>V.A.G 156/8</p>  |  |
- Q64-10001

◆ Glass adhesion kit	⇒ Chemical Material Manual ; Rep. gr. 00 ; Chemical Material Manual - List of authorized products - 1), 3), 4)
◆ Cutting wire	357 853 999 A
◆ Glass adjustment shim	443 845 631 A - 2)
◆ Cleaning solution	D 009 401 04 - 3)

10) Follow the minimum curing time → [page 183](#)

◆ 2K- Glass adhesive DA 004 600 A2 - 1), 2), 3), 5), 7)



- ◆ 1K- Glass adhesive DH 009 100 - 1) , 3) , 5) , 7)
- ◆ Activator D 181 801 A1 or D 181 801 M1 - 1) , 5)
- ◆ Glass / body primer D 009 200 02 - 1) , 2) , 3)
- ◆ Cleaning solution D 009 401 04 - 1) . 5)
- ◆ Primer applicator D 009 500 25
- ◆ Adhesive remover D 002 000 10 - 1) . 5)
- ◆ Cutting wire 357 853 999.A
- ◆ Glass adjustment shim 443 845 631 A - 6)

11) Exclusive option for the export markets.

12) In order to apply the adhesives in the set -DA 004 600 A2- you must use the pneumatic adhesive -VAS 5237-

13) Heat with the cartridge heater -V.A.G 1939- according to the manufacturer's instructions

14) Small 110 ml cartridge, for sealing jobs, and/or when the double cartridge with 300 ml is not enough

15) Observe the procedural indications in accordance with the manufacturer's prescriptions for packaging disposal

16) It must be removed two hours after assembling the windscreen.

17) Follow minimum adhesive curing time ⇒ [page 183](#) .

1.4 Matching table



Note

To help understanding, please find below a comparison table for materials used in the Brazilian and export markets

Product	Brazilian Market	Export Market
Activator	Primer 5500	D 181 801 A1 or D 181 801 M1
PU Adhesive	U-400 HV	DH 009 100 - 300 ml - DA 004 600 A2 (double cartridge)
Body primer	Primer 5404 A	D 009 200 02

1.5 Stickers for engraving the VIS number on the windows (only for Brazil) - supply



WARNING

These labels are valid only for the Brazilian market.

The stickers for etching the VIS number on the windows upon request. On the Network Website, under „After Sales Service“, „Services Information System“ Memorandum no. 98/09 of 06/16/2009 can be found „Engraving the chassis number (VIS) on windows“.

1.6 Windscreen - assembly overview



1 - Dimension a = 3 mm

- ☐ laterally

2 - PUR adhesive cord

- ☐ Cord cross-section width: -6...0.7 mm-
- ☐ Cord cross-section height: -9...11 mm- (including base adhesive layer on glass and glass flange)
- ☐ Minimum curing time
⇒ [page 183](#)

3 - Dimension b = 2.5 mm

- ☐ on top

4 - Spacer

- ☐ 3 parts
- ☐ self-adhesive spacer shim -5Z0 845 237-
- ☐ glue on body before installing the windscreen.

5 - Windscreen

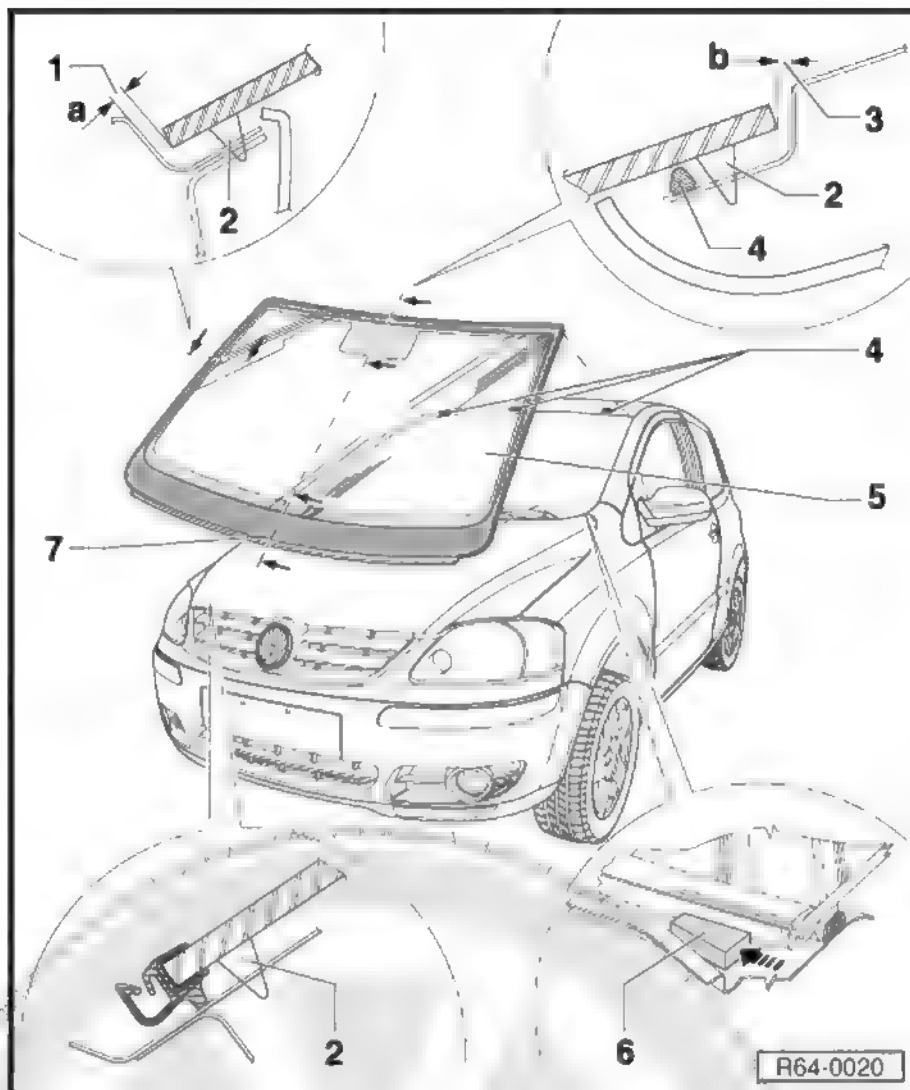
- ☐ Remove the windscreen
⇒ [page 172](#)
- ☐ Install the windscreen
⇒ [page 173](#)
- ☐ Label request for engraving the VIS number on windows (Brazil only)
⇒ [page 171](#)

6 - Glass adjustment shim

- ☐ Replacement parts number -443 845 631-A-
- ☐ remove after adhesive curing

7 - PUR adhesive cord connection point

- ☐ PU adhesive application start and end.

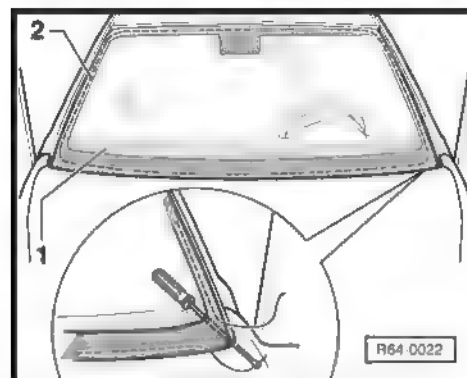


1.7 Windscreen - remove

- Remove the pillar A linings ⇒ Body - Internal assembly works;
Rep. gr. 70 ; Lining / insulation
- Remove the sunshades ⇒ Body - Internal assembly works;
Rep. gr. 68 ; Internal equipment
- Remove the internal rearview mirror ⇒ Body - Internal assembly works;
Rep. gr. 68 ; Internal equipment



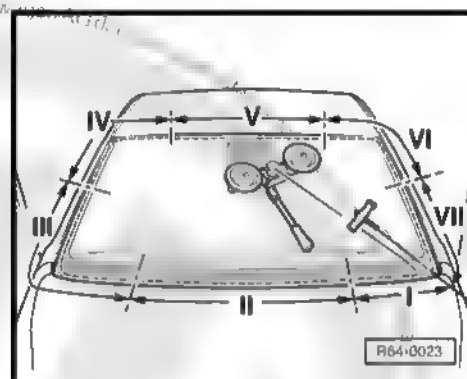
- Insert a protective film on dashboard -VAG 1474/8- -1- - V.A.G 1474/8- between windscreen and dashboard.
- If needed, place cutting wire -357 853 999 A- -2- with the aid of a tube (from the glass removal kit -V.A.G 1755-) at the glass flange
- On areas with little clearance, you must distribute the cutting wire on the outside and press under the lip with a plastic wedge .
- Pull the cutting wire -357 853 999- with the handle (from the glued glass removal kit -VAG 1474B-) through the adhesive cord from inside the vehicle.



Note

Lead the handle on the glass side as close as possible to the body glass flange through the adhesive cord so that the sealing lip is not damaged.

- Fasten the cutting wire tip -357 853 999.A- to the device with ratchet -VAG 1654A- .
- Pull the second cutting wire tip -357 853 999- inwards and place the handle (from the anchoring tool -VAG 1351-) to hold it.
- Place the device with ratchet -VAG 1654A- in „position I“.
- Transfer the device with ratchet -VAG 1654A- accordingly and cut (separate) the glass.
- During the cutting (separation), press the cutting wire against the glass with a plastic wedge to obtain free passage on the glass flange and the instrument panel.



1.8 Windscreen - install

Prepare the undamaged glass to be installed ⇒ [page 179](#) .

Prepare the new glass to be installed ⇒ [page 179](#) .

Prepare the body flange for putting the glass ⇒ [page 180](#) .

Assembly instructions ⇒ [page 180](#) .

Minimum adhesive curing time ⇒ [page 183](#) .

1.9 Side glasses (2-door) - assembly overview



1 - Glass internal packing

- ☐ fitted to the fitting flange
- ☐ in case of replacement, install with slight hits with a rubber hammer
- ☐ Install glass internal packing ➤ [page 175](#)

2 - Side window

- ☐ Remove side glass ➤ [page 174](#)
- ☐ Install side glass ➤ [page 176](#)
- ☐ Label request for engraving the VIS number on windows (Brazil only) ➤ [page 171](#)

3 - Ceramic painting

- ☐ around glass from internal side

4 - PUR adhesive cord

- ☐ Cord cross-section width: 7.5..00.80.5 mm
- ☐ Cord cross-section height: 13..0.15 mm (including remaining material on glass and glass flange)
- ☐ Minimum curing time ➤ [page 183](#)

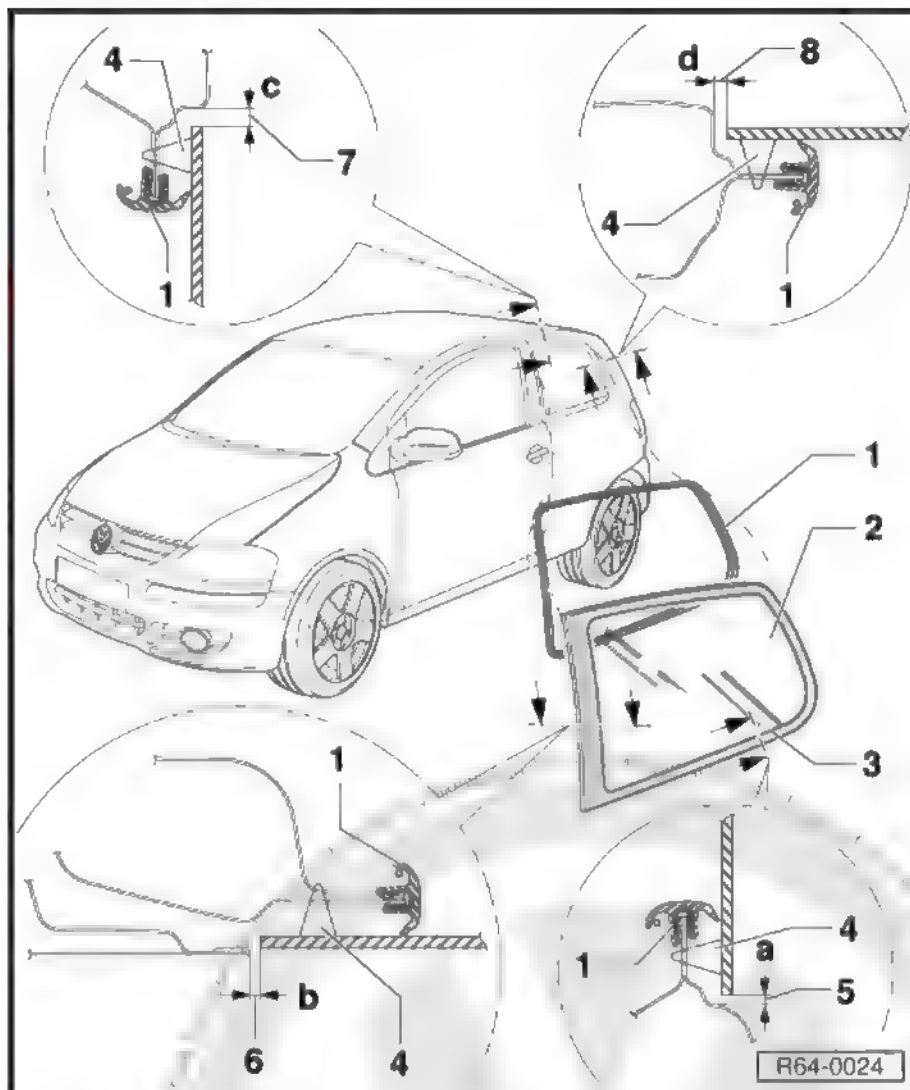
5 - Dimension a = 3 mm

6 - Dimension b = 3 mm

7 - Dimension c = 4.5 mm

- ☐ clearance dimension must be follow for distance is necessary for main roof support fastening

8 - Dimension d = 3 mm

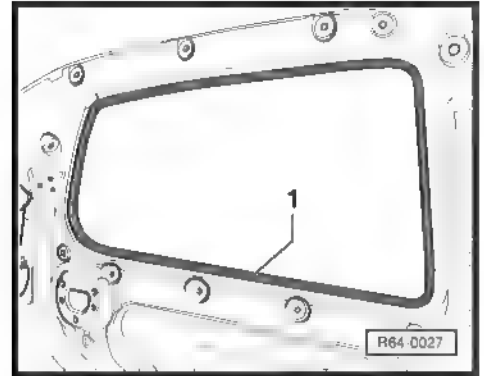


1.10 Undamaged side glass (2-door) - remove

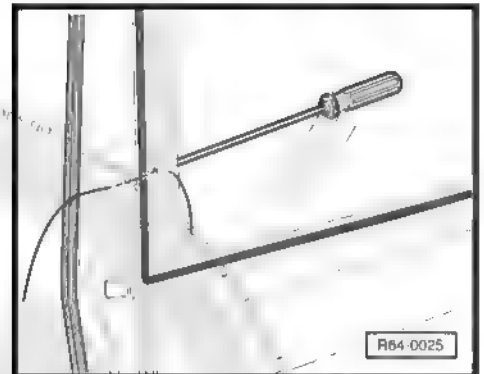
- Remove linings ➤ General body repairs, interior; Rep. gr. 70 ; Linings / insulations .
- Remove B-pillar linings ➤ General body repairs, interior; Rep. gr. 70 ; Linings / insulations
- Remove the lining of column C ➤ Body - Internal assembly work; Rep. gr. 70 ; Linings/insulation .



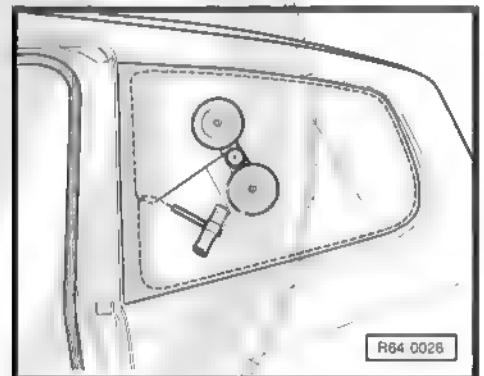
- Remove glass internal packing -1-.



- Pull cutting wire -357 853 999.A- with handle (of -V.A.G 1474-) through adhesive card to vehicle interior.
- On areas with little clearance, you must distribute the cutting wire on the outside and press under the lip with a plastic wedge.
- Place the cutting wire around the side glass.
- Pull external cutting wire and with a handle using adhesive cord through vehicle interior.



- Internally place anchoring tool of -V.A.G 1351- in one of the cutting wire edges to hold up.
- Fasten the other cutting wire edge in the ratchet of -V.A.G 1654- and cut glass adhesive. Change device with ratchet -VAG 1654A- position until complete adhesive cord cut.
- During the cutting (separation), press the cutting wire end against the glass with the plastic wedge to obtain free passage on the glass flange.



1.11 Damaged side glass (2-door) - remove

Removal of damaged side glass is carried out the same way as described for rear glass removal [⇒ page 178](#).

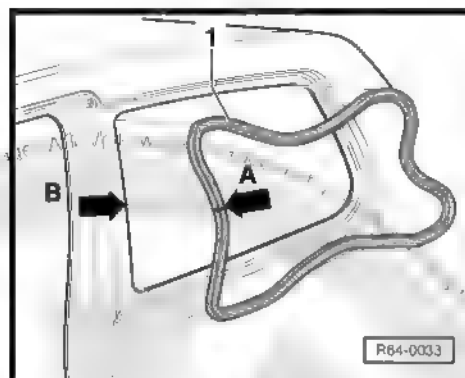
1.12 Side glass internal packing (2-door) - install

When replacing packing, install the new part with a rubber hammer.

For partially removed packing, it is necessary to press packing sides before assembly.



- Install side glass internal packing -1- with centered vulcanized splice -arrow A- in window cut flange -arrow B-, and open over flange uniformly.



1.13 Side glass (2-door) - install

When placing the side glass, you must maintain a 4.5 mm clearance between the upper glass corner and the glass flange on the side panel. That distance is occasionally necessary for main roof support fastening.

Prepare the undamaged glass to be installed [⇒ page 179](#) .

Prepare the new glass to be installed [⇒ page 179](#) .

Prepare the body flange for putting the glass [⇒ page 180](#) .

Assembly instructions [⇒ page 180](#) .

Minimum adhesive curing time [⇒ page 183](#) .

1.14 Rear window - assembly overview



1 - Rear window

- ☐ Remove rear window
➔ [page 177](#)
- ☐ Install rear window
➔ [page 179](#)
- ☐ Label request for engraving the VLS number on windows (Brazil only)
➔ [page 171](#)

2 - Defogger terminal

3 - Sealing

- ☐ for rear window wiper
- ☐ note assembly position:
slot turned upward.

4 - PUR adhesive cord

- ☐ Cord cross-section
width: 6..07 mm
- ☐ Cord cross-section
height: 9...11 mm (in-
cluding remaining mate-
rial on glass and glass
flange)
- ☐ Minimum adhesive cur-
ing time ➔ [page 183](#)

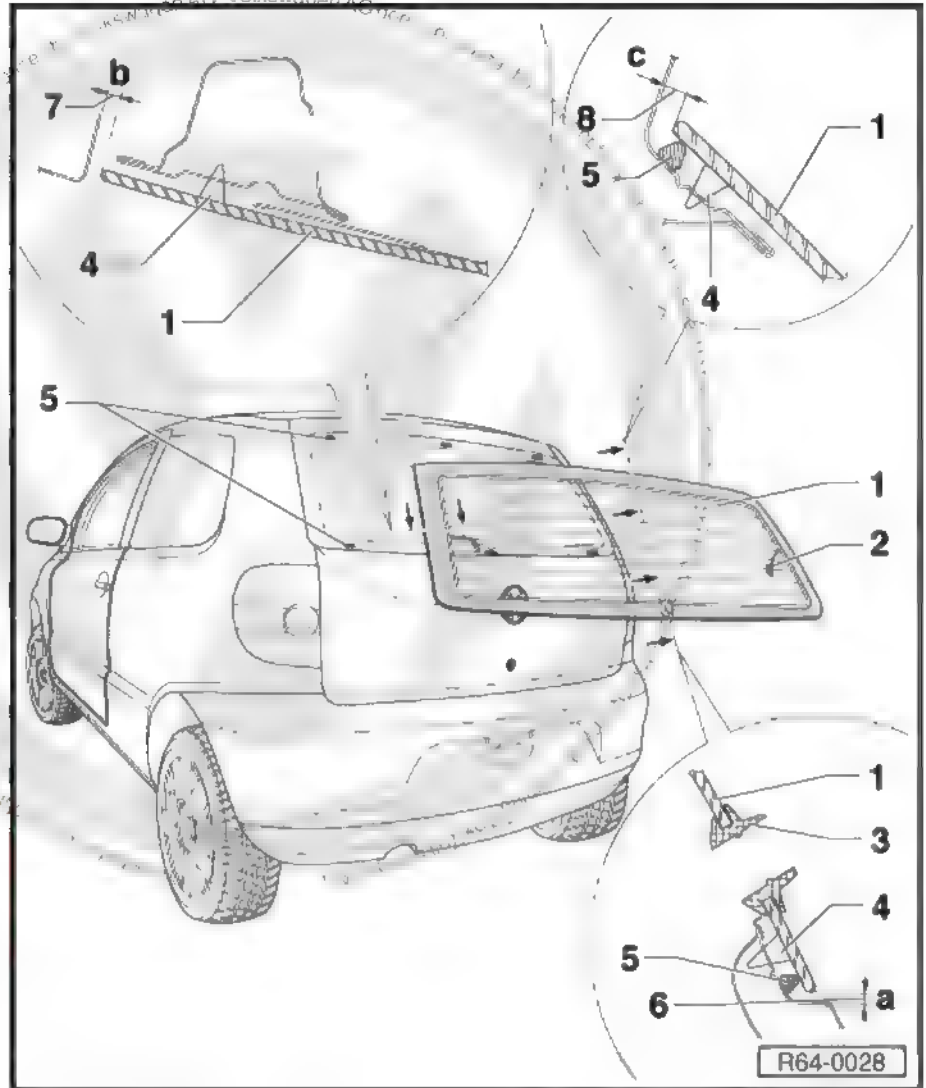
5 - Spacer

- ☐ 6 parts
- ☐ self-adhesive
- ☐ glue on body before in-
stalling the glass.
- ☐ self-adhesive spacer
shim -520 845 237-

6 - Dimension a = 3 mm

7 - Dimension b = 4 mm

8 - Dimension c = 3 mm



1.15 Undamaged rear glass - remove

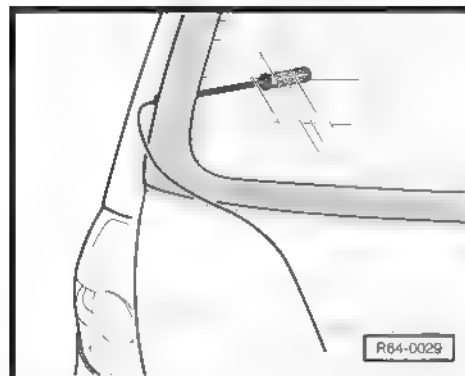
- Remove the rear door lining ➔ Body - Internal assembly
works; Rep. gr. 70 ; Lining / insulation
- Disconnect rear glass defogger connections and press contact
terminals on the glass.
- Remove the additional brakelight ➔ Electrical system; Rep.
gr. 94 ; Switches, lights and external lamps
- Remove the rear window wiper motor ➔ Electrical system;
Rep. gr. 92 ; Windscreen, rear window and headlight wiper
and washer
- If necessary, bend the handle (from - V.A.G 1474-) a little
downwards to avoid too much tension on the rear window.



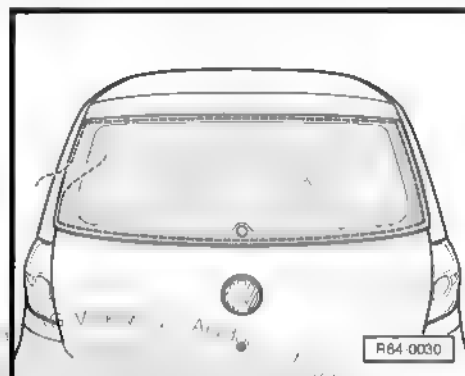
- Slightly open the lid and join the handle to the adhesive cord (use the rear window side area)

The handle must be guided as close as possible to the window.

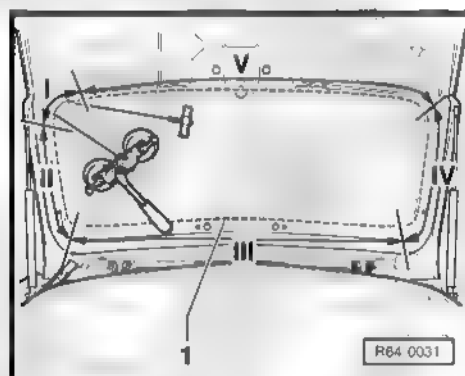
- Pull one end of the cutting wire inwards (use pliers and safety gloves)



- Place the cutting wire around the rear window.
- Pull the external end of the cutting wire inwards and fasten the handle to hold it.



- Mark the entire flange perimeter -1- with reinforced adhesive tape.
- Fasten the ends of the cutting wire to the device with ratchet -VAG 1654A-.
- Place the device with ratchet in „position“.
- Transfer the device with ratchet accordingly and cut (separate) the glass.
- During the cutting, press the cutting wire against the glass with the plastic wedge to obtain free passage on the glass flange.



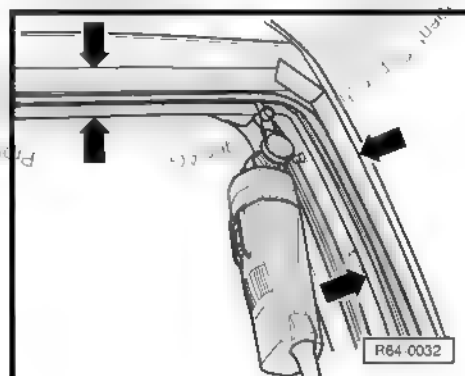
1.16 Undamaged rear glass - remove

- Protect the body and the internal compartment from glass chips.
- Eliminate the glass chips until removing the adhesive sealing material.
- Disconnect glass defogger connections.
- Mark -arrows- the entire flange perimeter and the lid border with reinforced adhesive tape
- Cut the adhesive (with glass remains) at the glass cut with a blade -VAG 1561/10- (with limiter roll).



DANGER!

It is mandatory to wear safety goggles and safety gloves.





1.17 Rear window - install

Prepare the undamaged glass to be installed ➔ [page 179](#) .

Prepare the new glass to be installed ➔ [page 179](#) .

Prepare the body flange for putting the glass ➔ [page 180](#) .

Assembly instructions ➔ [page 180](#) .

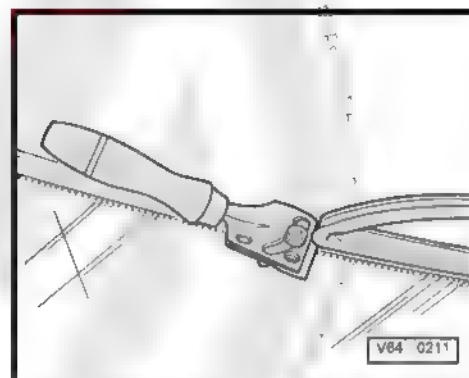
Minimum curing time ➔ [page 183](#) .

1.18 Undamaged glass - prepare for install



Note

- ◆ When reusing undamaged glass, reduce the adhesive cord layer to between 1 and 2 mm of height and do not damage the primer and ceramic coats.
- ◆ The adhesive cord coat serves as a base for the new adhesive.
- ◆ Do not apply primer or cleaning solution to treat the adhesive surface. Keep the adhesion surface free from dirt and grease.
- ◆ Exception: If the adhesion is not performed immediately after reducing the coat, then the adhesive cord layer must be activated with the activator activator -D 181 801 A1 ou D 181 801 M1- with the applicator -D 009 500 25- ..
- ◆ The activator must not touch the painted surface, as it will result in damage to the latter. The drying time is approximately 10 minutes.



1.19 New glass - prepare for install

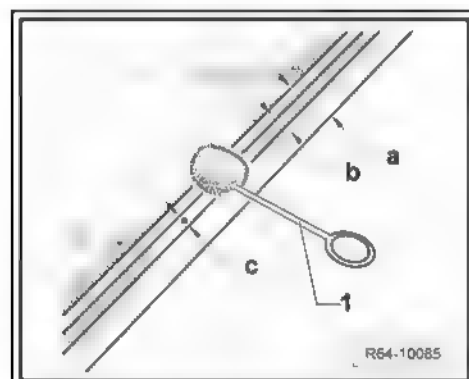
- Install two suction pads -V.A.G 1344- for glass handling.
- Clean the glass edge throughout about 20 mm of its perimeter with the cleaning solution -D 009 401 04- .
- Rub the glass edge dry with a clean cloth.



Note

For vehicles in the Brazilian market, use primers from the glass gluing kit.

- Apply a thin layer of the activator -D 181 801 A1 / M1- with the applicator -D 009 500 25- -1- (felt sphere with wire) on area -b- of the window only.
- ◆ a = area with ceramic paintwork
- ◆ b = area for application of the activator and primer.
- ◆ c = area for application of the PU adhesive.



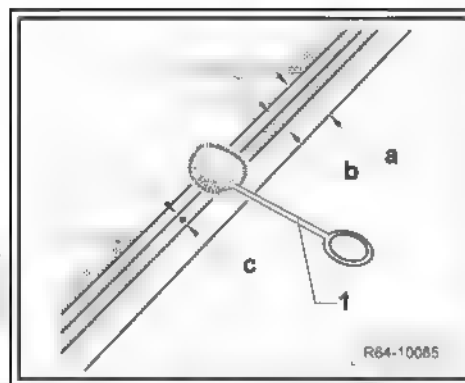


- The drying time of the activator -D 181 801 A1 / M1- is 10 minutes
- Apply the primer -D 009 200 02- in area -b- with applicator -D 009 500 25- -1- (felt sphere with wire) on area -b- of the window only. The drying time of the primer is 15 minutes
- ♦ $b = 12 \pm 0.04$ in



Note

- ♦ After applying the primer, the surface cannot be touched under any circumstances.
- ♦ The area -c- is reserved for applying the adhesive cord.

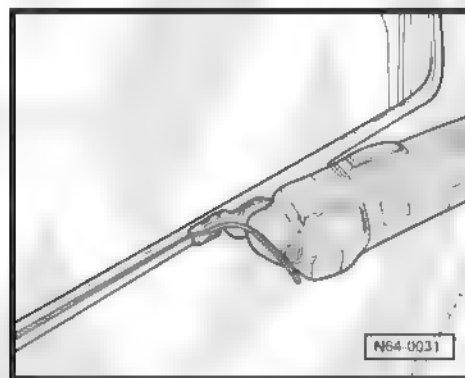


1.20 Body flange - prepare to install the window



Note

- ♦ Cut body flange adhesive excess with 15-mm Blade -VAG 1561/8-. Keep a small layer for adhesive cord anchoring.
- ♦ The adhesive cord layer works as a base for the new adhesive cord.
- ♦ Do not apply primer or cleaning solution to the adhesive cord cut surface. Keep the gluing surface free from dirt and grease.
- ♦ The activator must not contact the painting - otherwise, the painting will be damaged.
- ♦ If the adhesion is not performed immediately after reducing the coat, then the adhesive cord layer must be activated with the activator -D 181 801 A1 / M1-. See the corresponding table ⇒ [page 171](#).
- ♦ If flange has been repainted, apply primer -D 009 200 02- with applicator -D 009 500 25-. See the corresponding table ⇒ [page 171](#).
- ♦ Glue the self-gluing buffer spacers -5Z0 845 237- to the flange of the window frame.

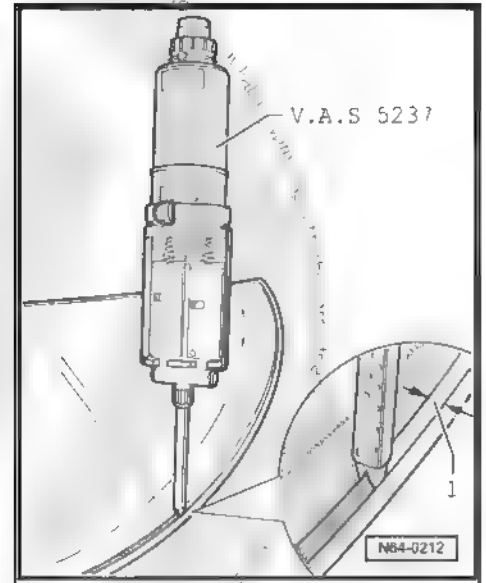


1.21 Assembly instructions



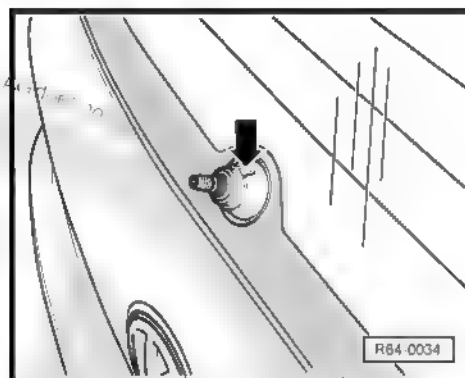
DANGER!

The glass must be placed within 10 minutes, otherwise its adhesion will be compromised.





- ◆ Place the glass on the body frame using two suction pad grippers -V.A.G 1344- , align and press inwards the spacer or the side glass packing (side glass).
- ◆ Apply the adhesive throughout the contour and at a straight angle in relation to the window.
- ◆ The beginning and end of the application of the adhesive PU, DA 004 600 A2 or DH 009 100 (see correspondence table → [page 171](#)) must coincide with the lower center of the glass.
- ◆ Windscreen clearance dimensions → [page 171](#) .
- ◆ Fasten the windscreen during curing time with the glass shims -443 845 631 A-
- ◆ The lower windscreen covering must be mandatorily installed as described in .
- ◆ If there were warning tags originally installed (for example, for Airbag), they must be re-installed.
- ◆ Side glass clearance dimensions → [page 173](#) .
- ◆ When placing the side glass, you must maintain a 4.5 mm clearance between the upper glass corner and the glass flange on the side panel.
- ◆ When placing the sealing packing for the rear window wiper motor shaft, follow the assembly position. The marking -arrow- points upwards.
- ◆ Clearance dimensions for rear glass → [page 176](#) .
- ◆ The activator cannot be applied over the defogger fillets.
- ◆ There are markings on the right and left sides of the rear window for adhesive application.
- ◆ Fasten the rear window with adhesive tape during the curing time.
- ◆ If adhesive cord is applied out of specified dimensions, it may spread over defogging filaments. In this condition, adhesive must be removed.



Note

- ◆ Check for water infiltration by hosing (without pressure) the external surface of the vehicle. Carefully observe the inside of the vehicle.
- ◆ Etch the VIS number on the replacement windows (Brazil only → [page 171](#)), material to be used, ⇒ Chemical Material Manual; Rep. gr. 00; Chemical Material Manual - List of authorized products .



1.22 Minimum adhesive drying time



Note

- ◆ *In the event windows are to be replaced, certain requirements must be fulfilled in order to abide by the operational safety norms, even in the event of accidents.*
- ◆ *The vehicle may be delivered to the client 3 hours after repair. Inform the client of the precautions to be taken during the total adhesive drying time.*
- ◆ *The adhesive reacts with air humidity. The infiltration test accelerates the drying process of the adhesive*

Type of glass	Vehicle	Window adhesive	Minimum drying time	Total drying time
Windscreen	With and without airbag	DH 009 100 or Kit for gluing windows	3 hours	72 hours
Side and rear windows				

During this time, the vehicle must remain on a flat surface and at room temperature (at least 59 °F).



DANGER!

The vehicle can only be delivered to the client after the minimum drying time because the safety requirements will only be fulfilled after this time.

1.23 Paint damage - repair

Repaint following procedures described by the ⇒ Painting Manual .

If damages to paint occur in areas which are not visible from outside, apply body primer -D 009 200 02-



Note

- ◆ *Minimum drying time of 10 minutes*
- ◆ *Only if the damage is located in the area covered by the component, otherwise the part must be repainted*

1.24 Cleaning in case of resulting adhesive residues

- We recommend, as cleaning product, the use of adhesive remover -D 002 000 10- . Follow the safety rules during the application.



DANGER!

When cleaning from the vehicle cabin, do not press inside out a glass that has just been placed (cured adhesive).



- First, clean the painted surface with a dry cloth. Eliminate dirt remains with the adhesive remover -D 002 000 10-
- Clean the plastic coating. Let the polyurethane adhesive dry (approximately 1 hour), then remove it





2 Tilting window

2.1 Tilting window - remove and install

1 - Tilting window

- ☐ Label request for engraving the VIS number on windows (Brazil only)
⇒ [page 171](#)

☐ Remove:

- Remove B-pillar linings
⇒ General body repairs, interior; Rep. gr. 70 ; Linings / insulations
- Open window and remove adjustment screw
⇒ [Item 4 \(page 185\)](#) .
- Remove hexagonal nuts
⇒ [Item 11 \(page 185\)](#) , then remove glass.

- ☐ Adjust ⇒ [page 186](#)

2 - Glass internal packing

- ☐ fitted to the fitting flange
- ☐ Install packing
⇒ [page 186](#)

3 - Dimension a = 3.5 mm

4 - Setscrew

- ☐ Torque: 5 Nm

5 - Retaining nut

6 - Screw

- ☐ Torque: 5 Nm

7 - Fastening

8 - Screw

- ☐ Torque: 8 Nm

9 - Support

- ☐ After removing or loosen support, adjust tilting window ⇒ [page 186](#)
- ☐ For removal, remove C-pillar lining → General body repairs, interior; Rep. gr. 70 ; Linings / insulations

10 - Dimension b = 3.5 mm

11 - Hexagonal nut

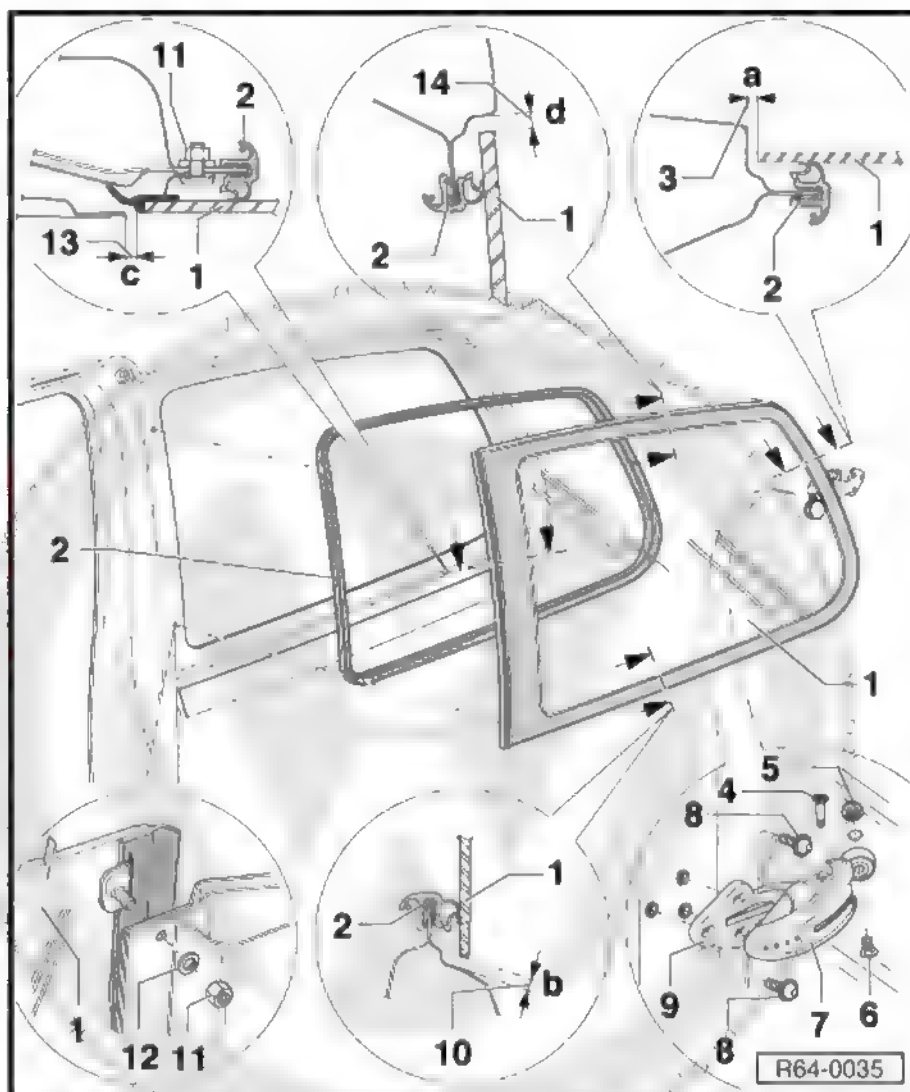
- ☐ Torque: 8 Nm

12 - Washer

13 - Dimension c = 3 mm

14 - Dimension d = 4.5 mm

- ☐ Clearance dimension must be followed, as the distance is necessary for main roof support fastening





2.2 Glass internal packing - install

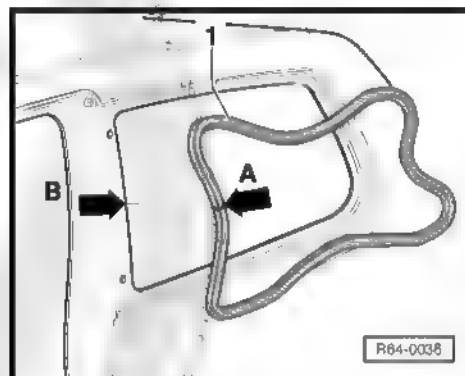
The side glass internal packing receives a standard sealing application when fitted to the window flange.

When removed, part of the sealing putty is in packing, and the and other part is in the fitting flange. Sealing problems may occur if sealing is re-installed.

When replacing packing, install the new part with a rubber hammer.

For partially removed packing, it is necessary to press packing sides before assembly.

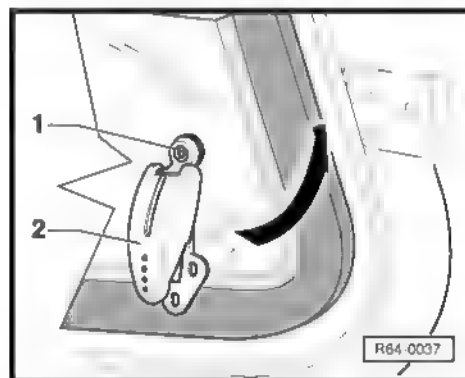
- Install side glass internal packing -1- with centered vulcanized splice -arrow A- in window cut flange -arrow B-, and open it uniformly over the flange.



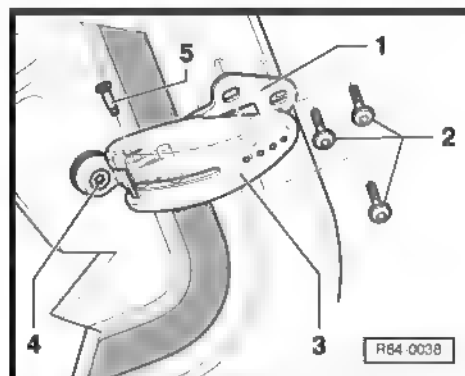
2.3 Tilting window - adjust

Tilting window adjustment is necessary if a new window is installed or window opening lever is loosen from pillar C or from the glass.

- Remove the lining of column C ⇒ Body - Internal assembly work; Rep. gr. 70 ; Linings/insulation .
- Fasten tilting window on pillar B As item 11 (page 185)
- If necessary, loosen screw -1-, turn opening lever -2- until installation position -arrow- and tighten screw -1- (4 Nm).



- Assemble the support -1- on pillar C with screws -2-, and close the window.
- Loosen screw -4- approx. 2 turns (until free passage is noticed)
- Press the tilting window over internal packing from outside (2° assembler) and tighten screws -2- (8 Nm) and -4- (5 Nm).
- To assemble C-pillar lining or disassemble the tilting window after adjustment is carried out, just unscrew adjustment screw -5- (4 Nm) and separate support -1- and fastening -3-.





3 Door window glass

3.1 Front door window glass - assembly overview

1 - Door window glass

- ☐ Label request for engraving the VIS number on windows (Brazil only)
⇒ [page 171](#)
- ☐ remove and install
⇒ [page 188](#)

2 - Door window external packing

- ☐ fitted onto flange

3 - Door groove

- ☐ fitted onto flange

4 - Door window internal packing

- ☐ fitted onto flange

5 - Door

6 - Window drive mechanism

- ☐ remove and install
⇒ [page 191](#)

7 - Power window drive mechanism

- ☐ remove and install
⇒ [page 191](#)

8 - Washer

- ☐ 5 parts

9 - Pop rivet

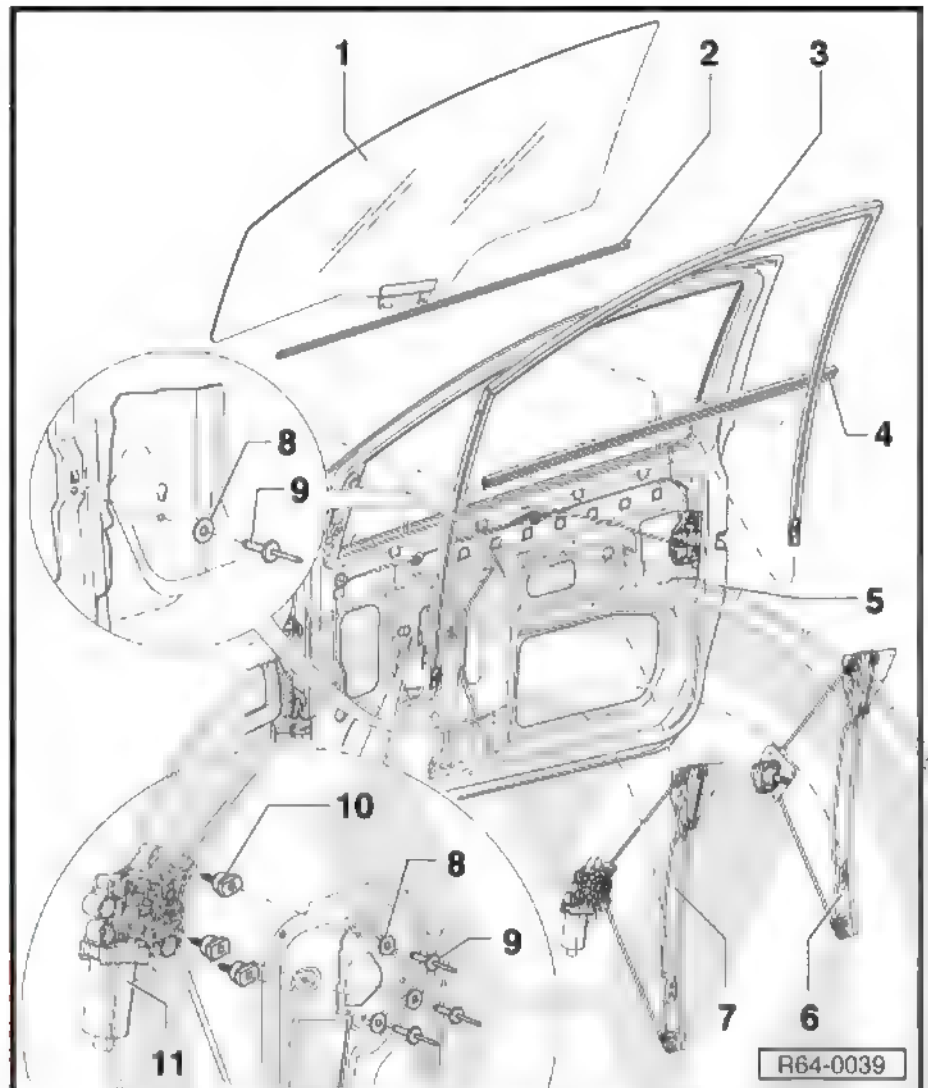
- ☐ 5 parts
- ☐ change
- ☐ drill rivet for disassembly

10 - Pad

- ☐ Torque: 3.5 Nm
- ☐ 3 parts
- ☐ replace whenever mechanism -6 -or -7- is removed.

11 - Window drive motor

- ☐ remove and install ⇒ [page 192](#)





3.2 Front door window glass (4-door) - assembly overview

1 - Door window glass

- ☐ Remove and install
⇒ [page 188](#).

2 - External packing

- ☐ Remove and install
⇒ [page 194](#)

3 - Chute

- ☐ Remove and install
⇒ [page 193](#)

4 - Internal packing

- ☐ Remove and install
⇒ [page 194](#)

5 - Door

6 - Manual window drive mechanism

- ☐ Remove and install
⇒ [page 193](#).

7 - Power window drive mechanism

- ☐ Remove and install
⇒ [page 191](#).

8 - Washer

- ☐ 5 parts

9 - Pop Rivet

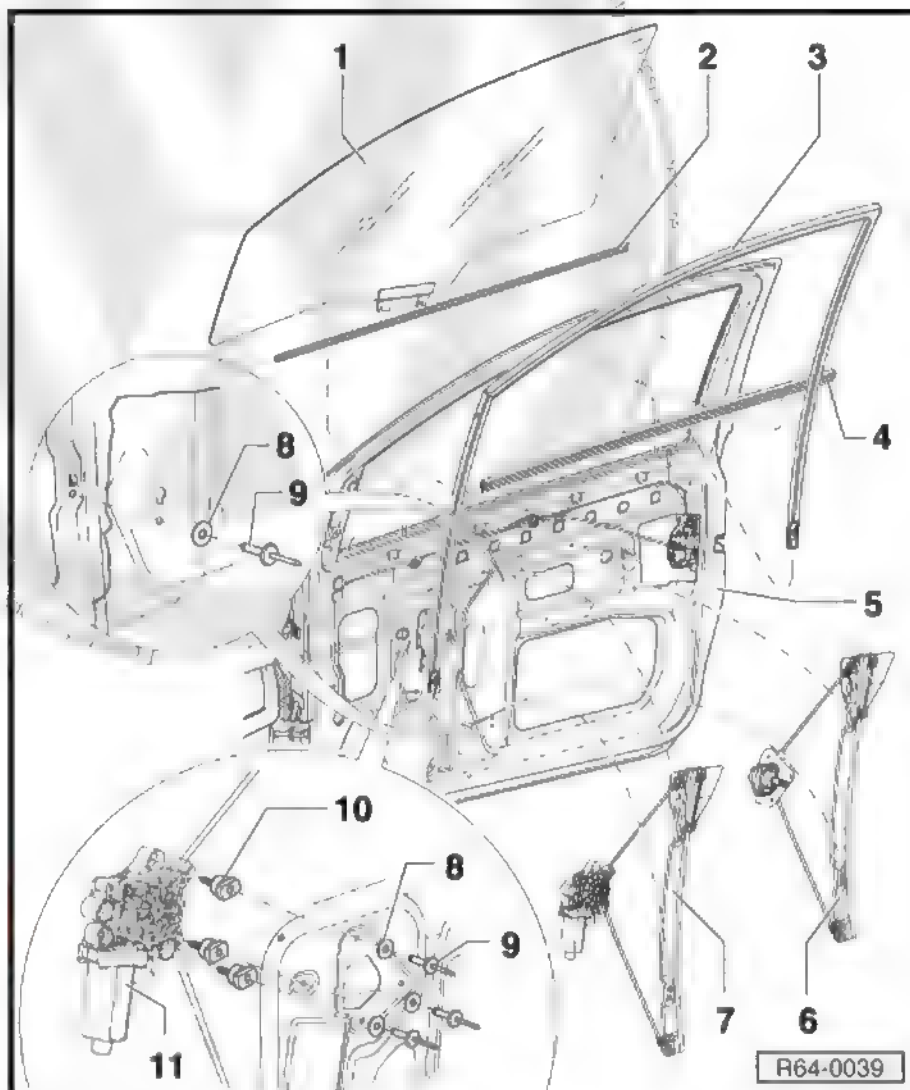
- ☐ 5 parts
- ☐ Drill rivet for disassembly

10 - Pad

- ☐ Torque: 3.5 Nm
- ☐ 3 parts
- ☐ replace whenever mechanism -6 -or -7- is removed.

11 - Window drive motor

- ☐ Remove and install ⇒ [page 192](#)



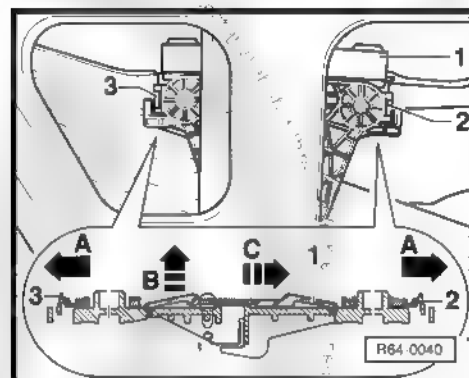
3.3 Front door window glass - remove and install

Remove

- Remove the front door lining ⇒ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation
- Remove sealing membrane.
- Lower door window glass until the support is accessible on the window activation mechanism.



- Remove -arrow A- clips -2- and -3- and press door window glass -1- in -direction B-
- If window cannot be lowered with window power activation mechanism because of damage, remove clamp -2- through another door opening (if necessary, use a screwdriver or similar) and press door glass window -1- first on clamp -2-.
- Then, pull door window glass in -direction C- and press support on clamp -3- (elongated)

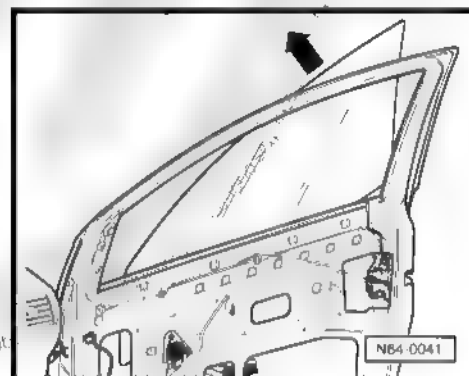


- Lift the door window glass from behind, turn outside the door forward and, towards -arrow-, forwards.

Install

Installation is performed in the reverse sequence; in this case, observe the following:

- After assembling the door window glass, you must check the operation of the window drive mechanism.



3.4 Convenience system window drive mechanism (automatic window closing and opening mechanism) with force limiter (anti-crushing function)

The front window drive mechanisms are additionally equipped with the automatic window closing and opening mechanism for the vehicles with convenience system.

The automatic window opening and closing switches for the front window are located at the driver's door control. The switches for the passenger's door are equipped with a two-level function.

If the respective switch is pushed or pulled up to the first level, the front window opens or closes manually.

If the switch is completely pushed or pulled up to the second level, the window will open or close automatically.

Additionally, on the passenger's door there is an additional switch for the passenger's door window.

All power drive mechanisms are equipped with a force limiter (anti-crushing device). The window closing is automatically interrupted when an obstacle blocks the closing route.

However, that is not valid for window closing determined from the outside, with the ignition key. In this case, there is no force limitation.

3.4.1 Operation of the window drive mechanism with the ignition turned on

Opening

Switch on the driver's door

- Press the switch up to the first level. The window glass is opened while the switch is pressed down or when the final position is reached



- Briefly press the switch down to the second level. The window glass opens automatically (automatic lowering)
- If the switch is operated again, the window glass will stop immediately

Switch on the passenger's door

- Press the lower switch surface. The window glass is opened while the switch is pressed down or when the final position is reached.

Closing

Switch on the driver's door

- Pull switch up to the first level. The window glass is closed while the switch is pulled or when the final position is reached.
- Briefly pull the switch up to the second level. The window glass closes automatically (automatic closing).
- If the switch is operated again, the window glass will stop immediately.

Switch on the passenger's door

- Press the upper switch surface. The window glass is closed while the switch is pressed down or when the final position is reached.

3.4.2 Operation of the window drive mechanism with the ignition turned off

The window drive mechanisms can still be operated for approx. 10 minutes after the ignition is turned off, while the driver's or the passenger's door is not opened.

For window closing, there is no automatic closing function available.

If the driver's or the passenger's door window cannot be closed due to mobility problems or the presence of an obstacle to the closing (force limiter), the window glass immediately opens.

In this case, the window glass can only be closed again if the ignition is turned on.

The window glasses can still be opened or closed from the outside in vehicles with central locking. For this purpose, the key only needs to be pressed in the closing or opening position.

3.4.3 Actuation of automatic window closing and opening mechanism



Note

After disconnecting / connecting the battery of the vehicle or after some actuations of the force limiter function, the automatic door window closing and opening mechanism will be disabled.

For enabling this function, we should follow the procedure below

- Press the key until fully closing the window glass and keep it pressed for a few seconds. Repeat this operation for the other door window glass keys that have this function disabled

By pressing or pulling a button until the first level, the window opens or closes while the button is being activated



The door window glass opens automatically (automatic opening) or closes automatically (automatic closing) whenever pressing or pulling the key briefly.

The glass will stop at the current position if the key is pressed while the door window glass opens or closes

After turning the ignition off, there is no automatic window glass closing and opening function, even when the key is still inserted in the ignition cylinder

3.4.4 Force limiter function (anti-crushing device)

- Condition: Automatic window glass closing and opening function disabled
- Ignition key inserted in the ignition cylinder and ignition on.
- Close the door window glass with the window drive switch (automatic closing).



Note

The door window glass movement will stop and the glass will move backward some centimeters if the door window glass does not close due to an obstacle (force limiter was activated).

- Ignition key inserted in the door lock cylinder or the remote control is actuated through the outer portion of the vehicle.
- Turn the door lock cylinder with the ignition key in the closing direction or actuating the remote control in the locking direction.



Note

The door window glass movement will stop and the glass will move backward some centimeters if the door window glass does not close due to an obstacle (force limiter was activated). The alarm horn emits three sound warnings „Beep“ and the „Led“ of the alarm system remains constantly lighted up in the door locking pin frame.

3.5 Window drive mechanism - remove and install

Remove

- Remove the front door lining ⇒ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation
- Remove sealing membrane
- Separate door window glass from window activation mechanism
- Push the door's window glass up and immobilize it.
- Through the assembly opening, disconnect window activation motor of the window power activation mechanism

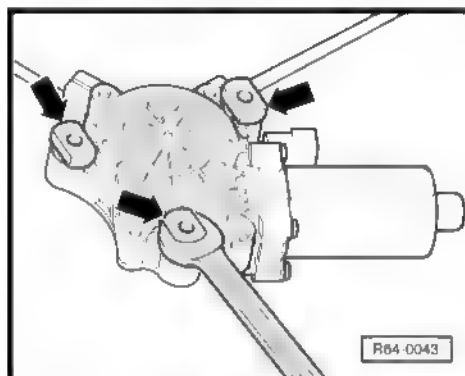
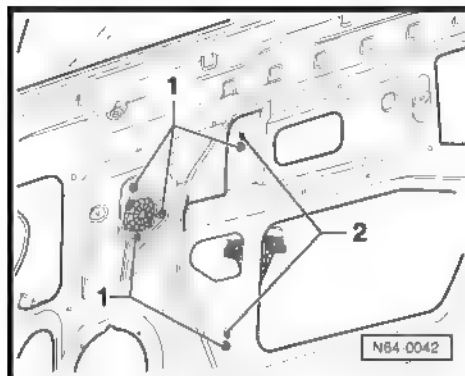


- Drill pop rivets -1-, lift the window activation mechanism from the couplings -2- and remove downward out through the assembly opening.

Install

Install is performed in the reverse sequence, observing the following:

- Replace mountings -arrows-. Fasten new mounting to 3.5 Nm.
- Fasten glass activation mechanism to door with pop rivets; do not forget washers in this case.
- After assembling the door window glass, you must check the operation of the window drive mechanism.



3.6 Window drive motor - remove and install

Remove

- Remove window activation mechanism [⇒ page 191](#).
- Unscrew fastening screws -arrows-.
- Remove motor -1- from glass activation -2-.

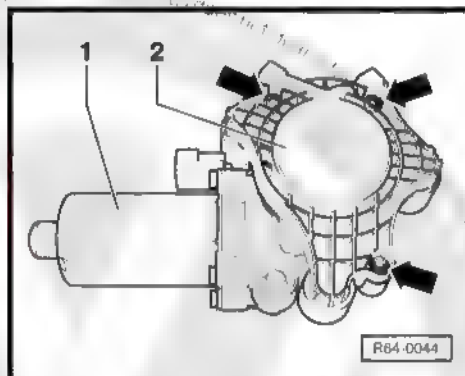
Install

Installation is performed in the reverse sequence; in this case, observe the following:

- Tighten fastening screws with:

Torque: 3.5 Nm

- Before installing the window drive mechanism, you must check its operation.

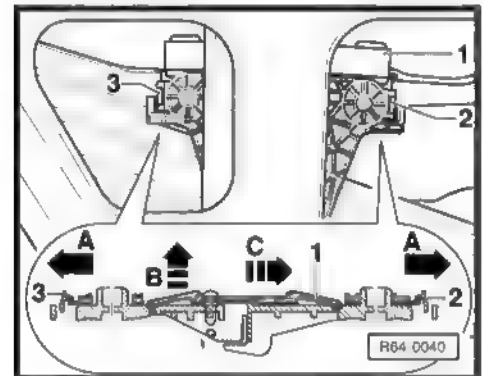
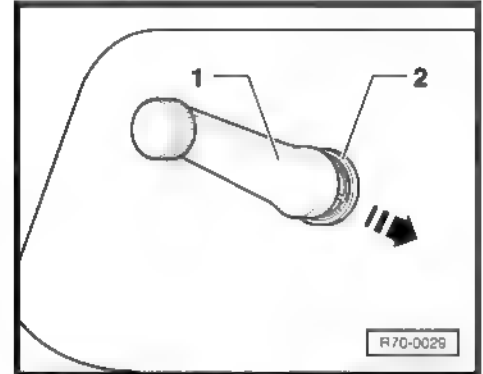




3.7 Front door glass crank (4-door) - remove and install

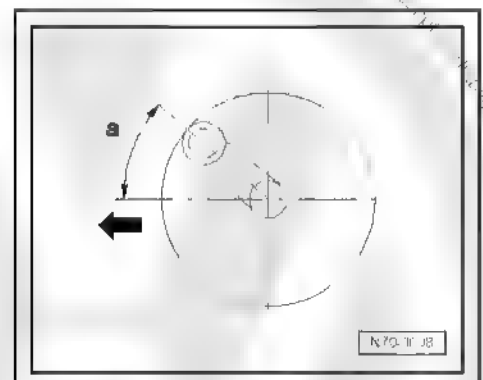
3.7.1 Remove

- With the door window fully closed, move the crank spacer in the indicated direction
- Disengage the crank and remove it.
- Remove the door lining ⇒ General body repairs, interior; Rep. gr. 70 ; Lining / insulation .
- Remove sealing membrane.
- Lower the door window glass until its support is accessible.
- Unlock clips -2- and -3- towards -arrows A- and press door window glass -1- towards -arrow B-.
- Push the door's window glass up, and lock it.
- Drill pop rivets, lift the window activation mechanism from the couplings and remove the set downward out through the door opening.



3.7.2 Install

- Installation is performed in the reverse sequence to the removal, considering the following:
- Fasten door glass activation mechanism with pop rivets and do not forget washers.
- Position the crank at 45° in the indicated direction and fit the spacer.
- After assembling the door window glass, check the operation of the window activation mechanism. Figure „arrow“ points wheeling direction.



3.8 Front door glass chute (4-door) - remove and install

3.8.1 Remove

- Remove the door window ➔ [page 188](#) .



- Carefully disengage and remove the chute.

3.8.2 Install

- Installation is performed in the reverse sequence to the removal.

3.9 Front door glass internal packing (4-door) - remove and install

3.9.1 Remove

- Remove the door lining ⇒ General body repairs, interior; Rep. gr. 70 ; Lining / insulation .
- Remove the packing by disengaging it from the door.

3.9.2 Install

- Installation is performed in the reverse sequence to the removal.

3.10 Front door window external packing (4-door) - replace

3.10.1 Remove

- Disengage packing and remove it.

3.10.2 Install

- Installation is performed in the reverse sequence to the removal.

3.11 Rear door window glass (4-door) - assembly overview



1 - Door window glass

- ☐ Label request for engraving the VIS number on windows (Brazil only) ➤ [page 171](#)
- ☐ Remove and install ➤ [page 196](#) .

2 - Door window fixed glass

- ☐ Remove ➤ [page 199](#) .

3 - Rear chute

4 - Insert

5 - Rear guide rail

- ☐ Remove and install ➤ [page 198](#)

6 - Screw

- ☐ Torque: 5.5 Nm

7 - Plug

8 - Door

9 - Window drive mechanism

- ☐ Remove and install ➤ [page 197](#) .

10 - Power window drive mechanism

- ☐ Remove and install ➤ [page 197](#) .

11 - Pop Rivet

- ☐ 5 parts
- ☐ Drill rivet for disassembly

12 - Washer

- ☐ 5 parts

13 - Pad

- ☐ Torque: 3.5 Nm
- ☐ 3 parts
- ☐ replace whenever mechanism -9- or -10- is removed.

14 - Window drive motor

- ☐ Remove and install ➤ [page 197](#)

15 - Screw

16 - Internal packing

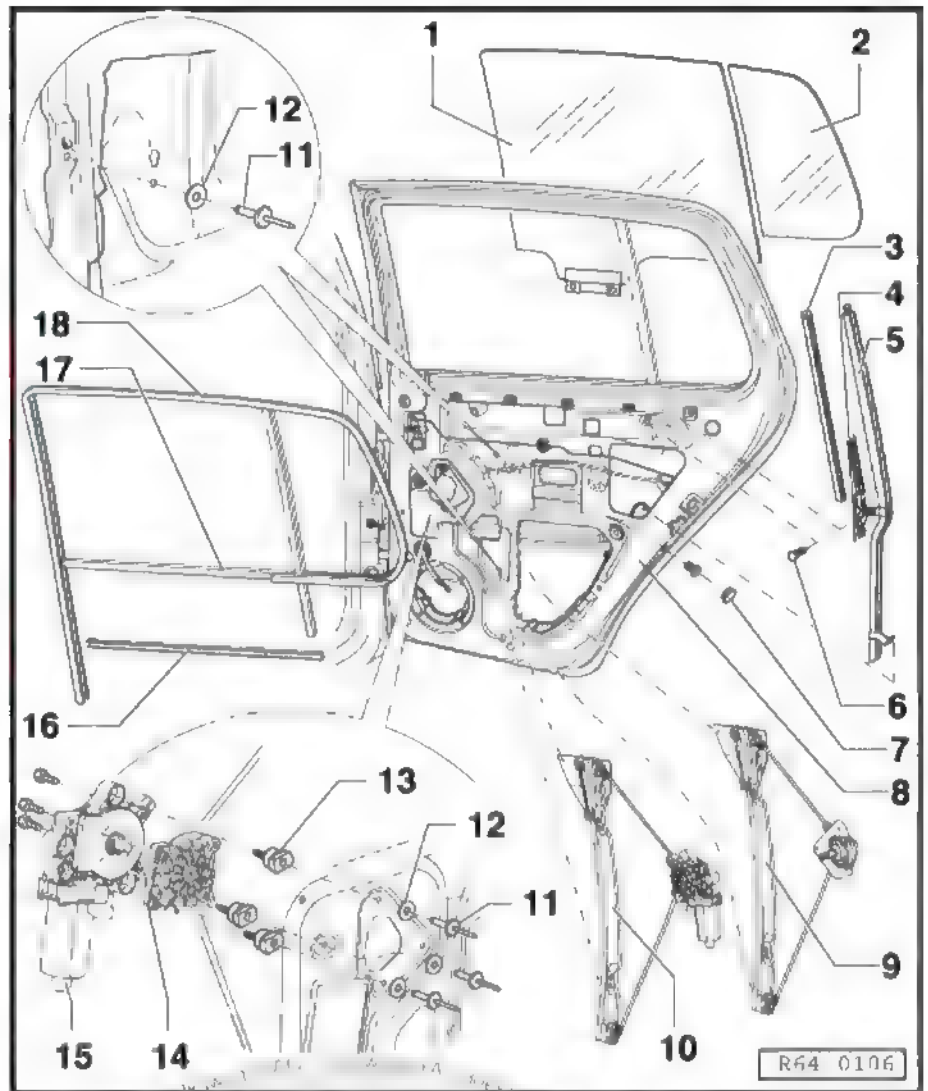
- ☐ Remove and install ➤ [page 199](#)

17 - External packing

- ☐ Remove and install ➤ [page 199](#)

18 - Chute

- ☐ Remove and install ➤ [page 199](#)

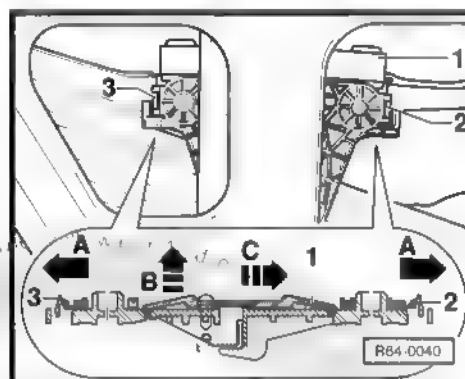




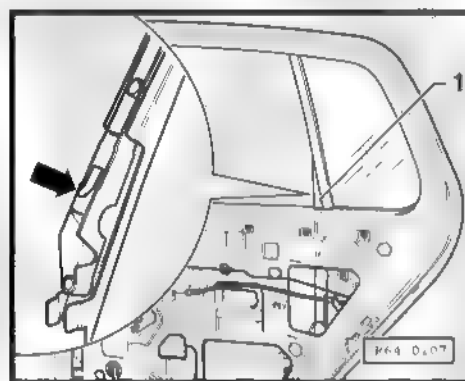
3.12 Rear door window glass - remove and install

3.12.1 Remove

- Remove the door lining ⇒ General body repairs, interior, Rep. gr. 70 , Lining / insulation .
- Remove sealing membrane.
- Lower the door window glass until its support is accessible.
- Unlock clamps -2- and -3- in direction of arrows A and press door window glass -1- in direction of arrow B
- Remove upper screw from rear guide rail.
- Remove internal packing from door.
- Unlock groove upward in rear guide rail section.



- Move thread -1- by pushing it upward until its lock „arrow“ is released.
- Remove thread.
- Then, lift door window glass carefully removing it from the door internal side.



3.12.2 Install

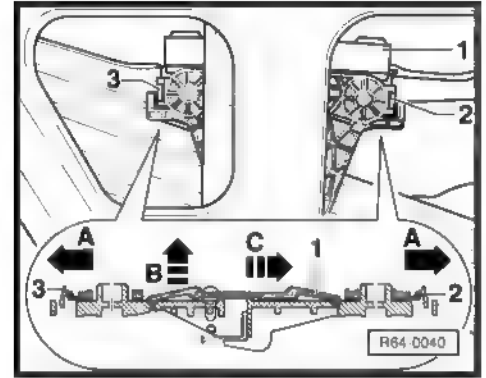
- Installation is performed in the reverse sequence to the removal.

3.13 Rear door window power activation mechanism - remove and install

- Remove the door lining ⇒ General body repairs, interior, Rep. gr. 70 ; Lining / insulation .
- Remove sealing membrane.
- Lower the door window glass until its support is accessible.



- Unlock clamps -2- and -3- towards -arrows A- and press door window glass -1- towards -arrow B-.
- Push the door's window glass up and immobilize it.
- Drill „pop“ rivets, lift the window drive mechanism from the couplings, and remove the set downward out through the door opening.



3.13.1 Install

- Installation is performed in the reverse sequence to the removal, considering the following:
- Fasten the door window drive with „pop“ rivets, and do not forget the washers.

3.14 Rear door window drive motor - remove and install

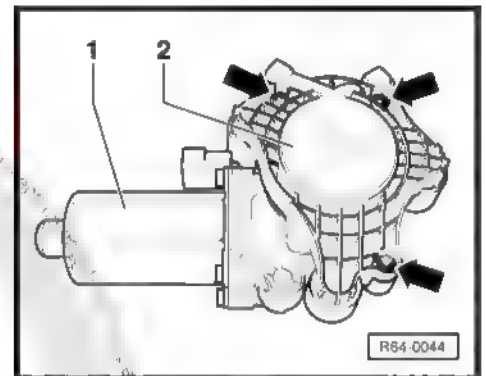
Remove

- Remove window power activation mechanism ⇒ [page 196](#) .
- Unscrew fastening screws -arrows-.
- Remove engine -1- from glass activation mechanism -2-.

Install

Install is performed in the reverse sequence, observing the following:

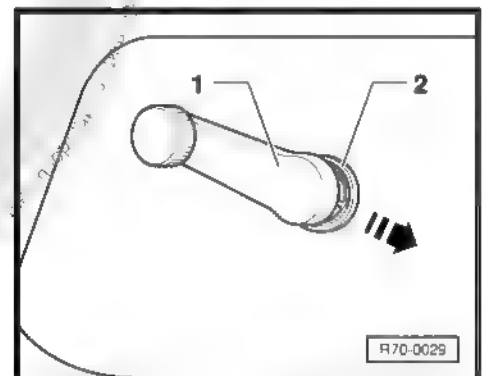
- Tighten the fastening screws to 3.5 Nm.
- Before installing the window power activation mechanism, check its operation.



3.15 Rear door window drive crank - remove and install

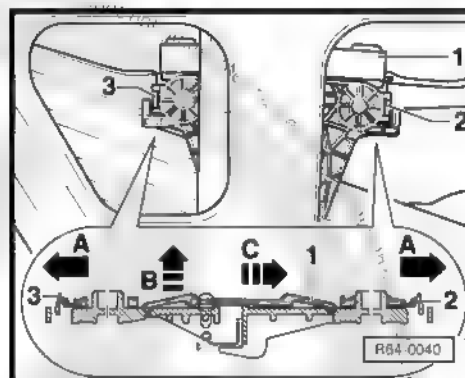
3.15.1 Remove

- With the door window fully closed, move the crank spacer in the indicated direction.
- Disengage the crank and remove it.
- Remove the door lining ⇒ General body repairs, interior; Rep. gr. 70 ; Lining / insulation .
- Remove sealing membrane.
- Lower the door window glass until its support is accessible.



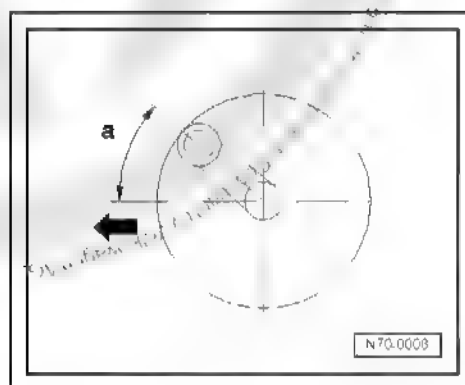


- Unlock clamps -2- and -3- towards -arrows A- and press door window glass -1- towards -arrow B-.
- Push the door's window glass up, and lock it.
- Drill pop rivets, lift the window activation mechanism from the couplings and remove the set downward out through the door opening.



3.15.2 Install

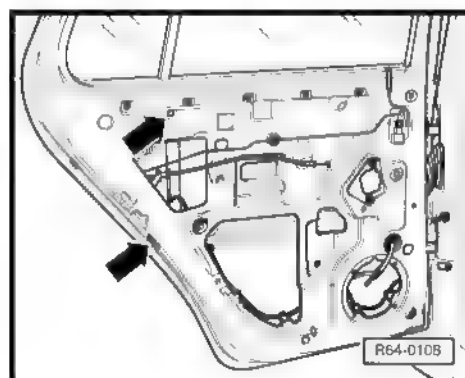
- Installation is performed in the reverse sequence to the removal, considering the following:
- Fasten door glass activation mechanism with „pop“ rivets and do not forget washers.
- Position the crank at 45° in the indicated direction and fit the spacer.
- After assembling the door window glass, check the operation of the window activation mechanism. Figure „arrow“ points wheeling direction.



3.16 Rear door glass rear guide rail - remove and install

3.16.1 Remove

- Remove rear door window glass ⇒ [page 196](#) .
- Remove screws from rear guide rail „arrows“.
- Move rear door glass upper chute away along with the fixed glass.
- Remove rear guide rail, disengaging it from the door.



3.16.2 Install

- Installation is performed in the reverse sequence to the removal.



3.17 Rear door window chute - remove and install

- Remove the door window ➔ [page 196](#) .
- Remove rear guide rail from rear door ➔ [page 198](#)
- Carefully disengage and remove groove along with rear door fixed glass.

3.17.1 Install

- Installation is performed in the reverse sequence to the removal.

3.18 Rear door window internal packing - remove and install

3.18.1 Remove

- Remove the door lining ➔ General body repairs, interior; Rep. gr. 70 ; Lining / insulation .
- Remove the packing by disengaging it from the door.

3.18.2 Install

- Installation is performed in the reverse sequence to the removal.

3.19 Rear door window external packing - replace

3.19.1 Remove

- Disengage packing and remove it.

3.19.2 Install

- Installation is performed in the reverse sequence to the removal.

3.20 Rear door fixed glass - replace

3.20.1 Remove

- Remove rear guide rail from rear door ➔ [page 198](#) .
- Disengage rear door window glass along with chute.

3.20.2 Install

- Fit rear door window glass along with chute.
- Install rear door rear guide rail ➔ [page 198](#) .



66 – External equipment

1 Spoiler

1.1 Spoiler - assembly overview

Special tools and workshop equipment required

- ◆ Anchoring tool -VAG 1351-
- ◆ Glass removal tools - V.A.G 1474A- or Device with ratchet -VAG 1654A-
- ◆ Glass removal kit -VAG 1755-
- ◆ Pneumatic adhesive applicator -VAS 5237-



1.1.1 Materials

- ◆ 2K- adhesive -DA 004 600 A2- ¹⁸⁾
- ◆ Mixing tube -D 002 001- ²⁰⁾
- ◆ Activator -D 181 801 A1-
- ◆ Primer -D 181 711 A1-
- ◆ Cleaning solution -D 009 401 04-
- ◆ Primer Applicator -D 009 500 25-



- ◆ Adhesive remover -D 002 000 10-
- ◆ Cutting wire -357 853 999 A-

18) The materials are included in the box -D 004 700

19) ¹⁹⁾Respect the minimum curing time

20) The Adhesive pneumatic applicator -VAS 5237- must be used with these materials.

1.1.2 Spoiler - assembly overview

1 - Spoiler

- ☐ Remove ⇒ [page 201](#)
- ☐ Install ⇒ [page 202](#)
- ☐ Installation instructions ⇒ [page 204](#)
- ☐ Material: ABS + PC

2 - Primer application area on the body

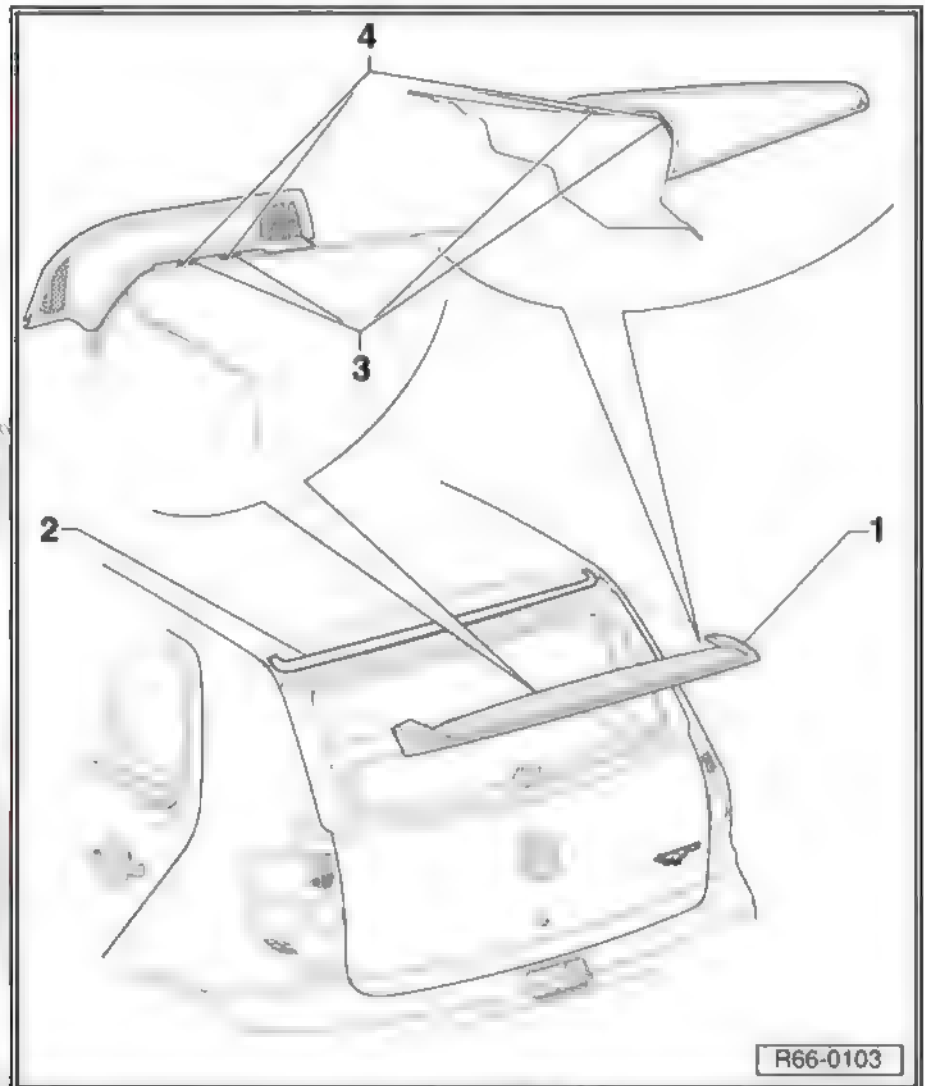
- ☐ Preparation ⇒ [page 203](#)

3 - Adhesive

- ☐ Polyol + PUR pre-polymer

4 - Primer /adhesive application area on spoiler

- ☐ Preparation ⇒ [page 203](#)



1.1.3 Spoiler - remove



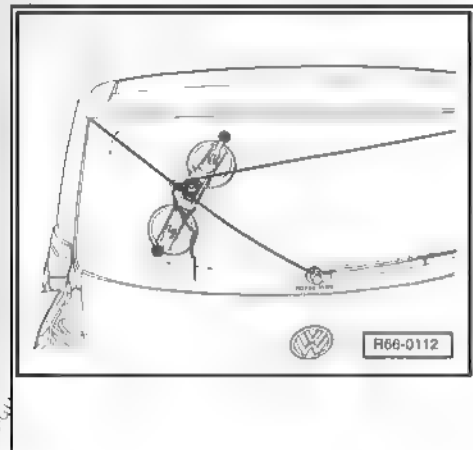
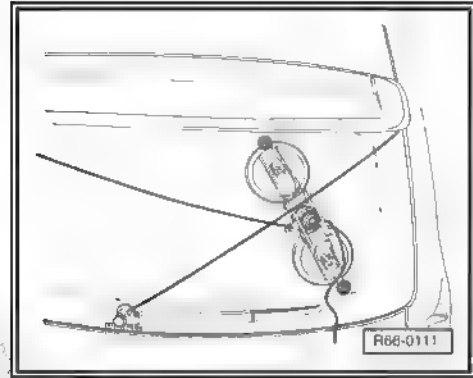
WARNING

Do not use any metallic cutting wire for removing the spoiler; otherwise, the paintwork may be damaged.

- Clean the spoiler support area so there is no damage to the paintwork when removing.
- Protect the rear door and the roof painting around the spoiler.



- Position the device with ratchet -VAG 1654A- as shown in the illustration and fasten one of the cutting wire ends. The other edge must be fixed on rear glass cleaner wiper blade shaft
 - When cutting, introduce the cutting wire between the spoiler and the rear door with a plastic wedge
 - Keep traction on cutting wire until approximately half the vehicle
-
- Reposition device with ratchet -VAG 1654A- as shown in the picture, and begin cutting again from other side.
 - Remove the spoiler.



1.1.4 Spoiler - install



1 - Spoiler

- ☐ Material: ABS + PC
- ☐ Installation instructions
→ [page 204](#)

2 - Primer application area on the body

- ☐ Preparing the body for application of adhesive
→ [page 203](#)
- ☐ Repairing damage to paintwork → [page 204](#)



Note

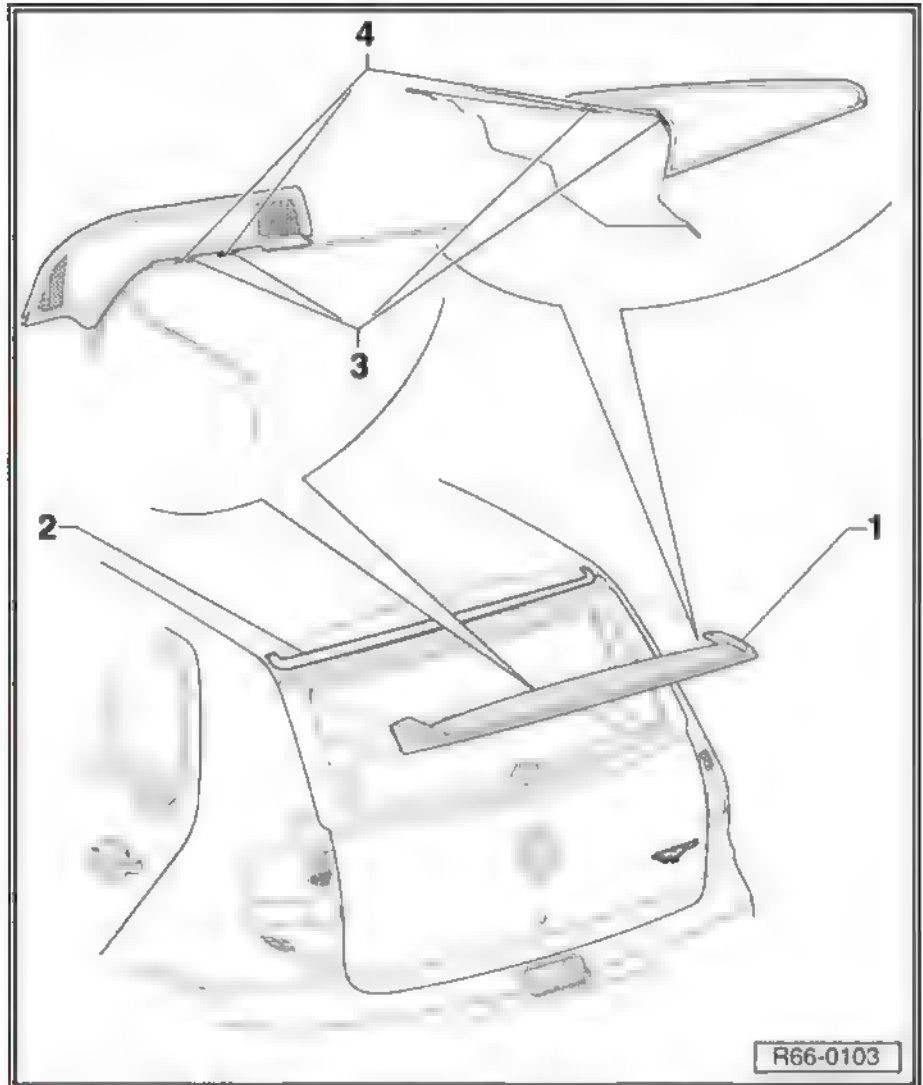
Minimum drying time -

3 - Adhesive

- ☐ Polyol + PUR pre-polymer
- ☐ Minimum adhesive curing time → [page 204](#)

4 - Primer /adhesive application area on spoiler

- ☐ Adhesive cord must be:
 - ◆ 3-mm large
 - ◆ 5-mm height
- ☐ Cleaning the areas affected by the adhesive
→ [page 204](#)



1.1.5 Preparing the body for application of adhesive

- Thoroughly clean the spoiler installation region.



Note

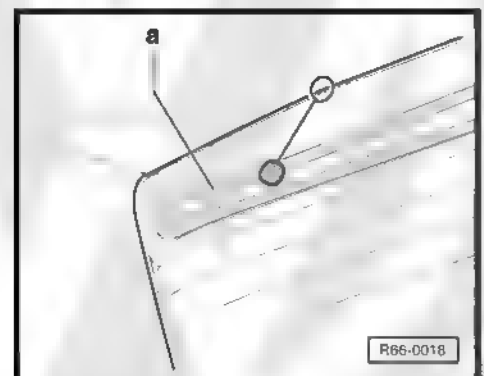
Old adhesive layer works as anchoring for the new cord. Adhesive application areas should be thoroughly free from dirt or oiliness.

If spoiler is not installed immediately after cutting old adhesive layer -a-, then it shall be activated with activator -D 181 801 A1-.



WARNING

The activator must not contact the painted surface. Otherwise, the painting will be damaged.



- ◆ If rear lid is replaced or repainted, apply primer for body -D 009 200 02- using the applicator -D 009 500 25-



1.1.6 Installation instructions

- Prepare body for application of adhesive ➔ [page 203](#)
- Remove the adhesive remains with the adhesive remover -D 002 000 10- .
- Moisten a cloth with the silicone remover -LSE 020 100 A3- .
- Clean thoroughly the adhesive application area with cloth soaked with solvent.
- Apply Primer homogeneously with the applicator -D 009 500 25- .
- ♦ The drying time is of approximately 10 minutes.

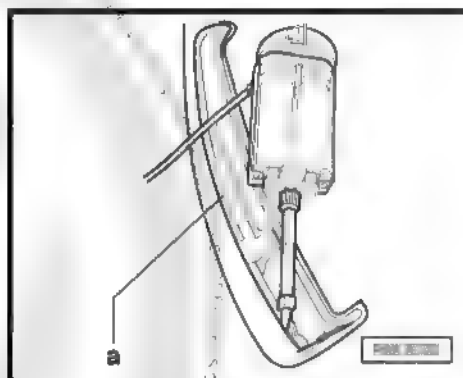
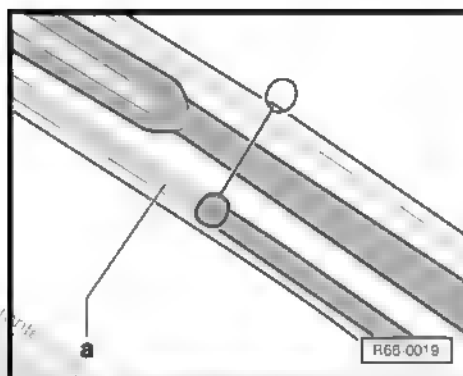
- Apply adhesive under primer application -a- area on spoiler.



WARNING

The spoiler must be installed within 10 minutes after applying the primer. Otherwise, the adherence will be impaired.

During the drying period, fasten the spoiler with masking tape.



1.1.7 Minimum adhesive drying time

Minimum adhesive curing time is the period from the spoiler installation to the delivery of the vehicle to the customer. This time is 3 hours. During this period, the vehicle must remain on a level surface and at room temperature (minimum 59° F).



Note

The vehicle can only be released after the minimum curing period has elapsed.

1.1.8 Repairing damage to paintwork

Repaint following procedures described by the ⇒ [Painting Manual](#) .

If damages to paint occur in areas which are not visible from outside, apply body primer -D 009 200 02-



Note

Minimum drying time is 10 minutes.

1.1.9 Cleaning the areas affected by the adhesive

- The painted surfaces should be cleaned using a clean and dry cloth. Clean the other areas with the adhesive remover -D 002 000 10- .



Note

The adhesive remover -D 002 000 10- is the cleaning agent. All safety rules must be followed.





2 Roof Rack

2.1 Roof rack - remove and install

1 - External door packing

2 - Rack

☐ Remove

- Loosen screw -5- and
remove screw -3-.

- Remove the rack

☐ Install

- Installation is performed
in the reverse sequence
to the removal.



Note

*Screw tightening -5- must
be done gradually and simulta-
neously. Initially tighten screw on
left with „1 Nm“ and right with
„1 Nm“ and right sequence with
finally left and right with*

3 - Screw

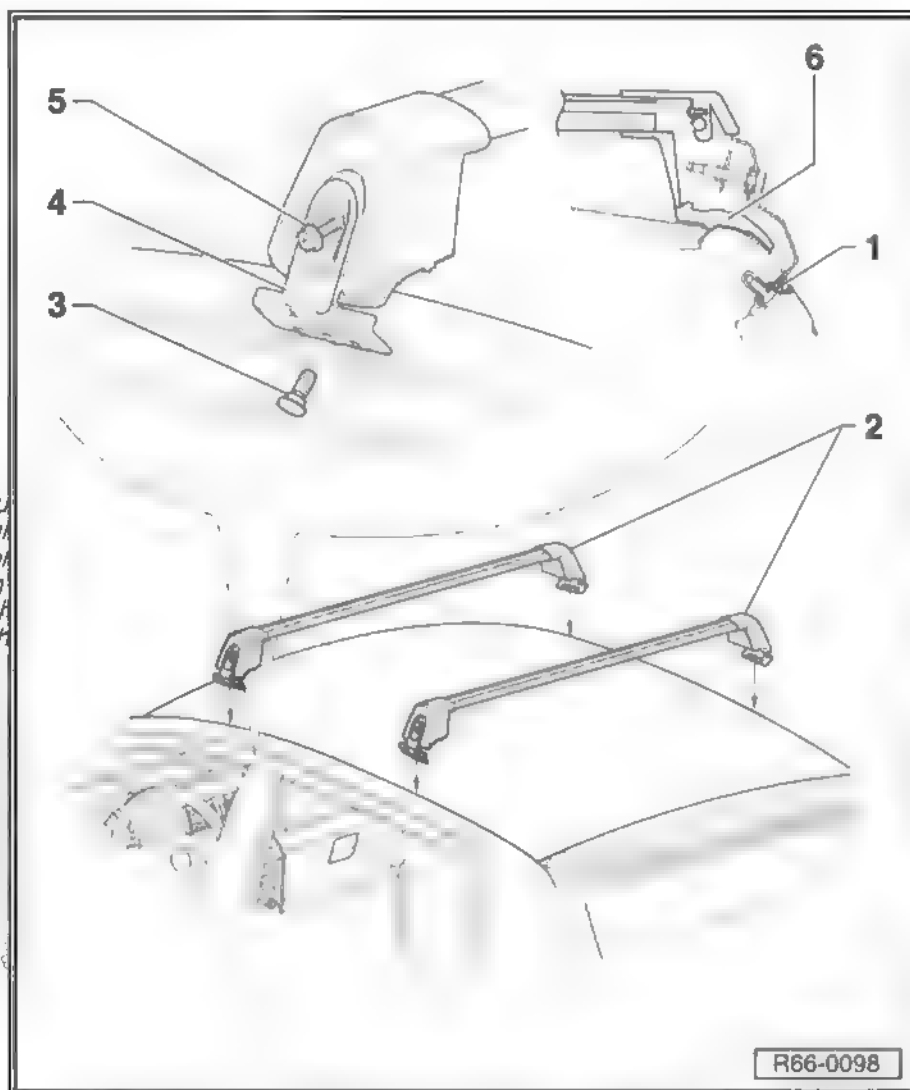
☐ Torque: 4 Nm

4 - Support

5 - Screw

☐ Torque: 6 Nm

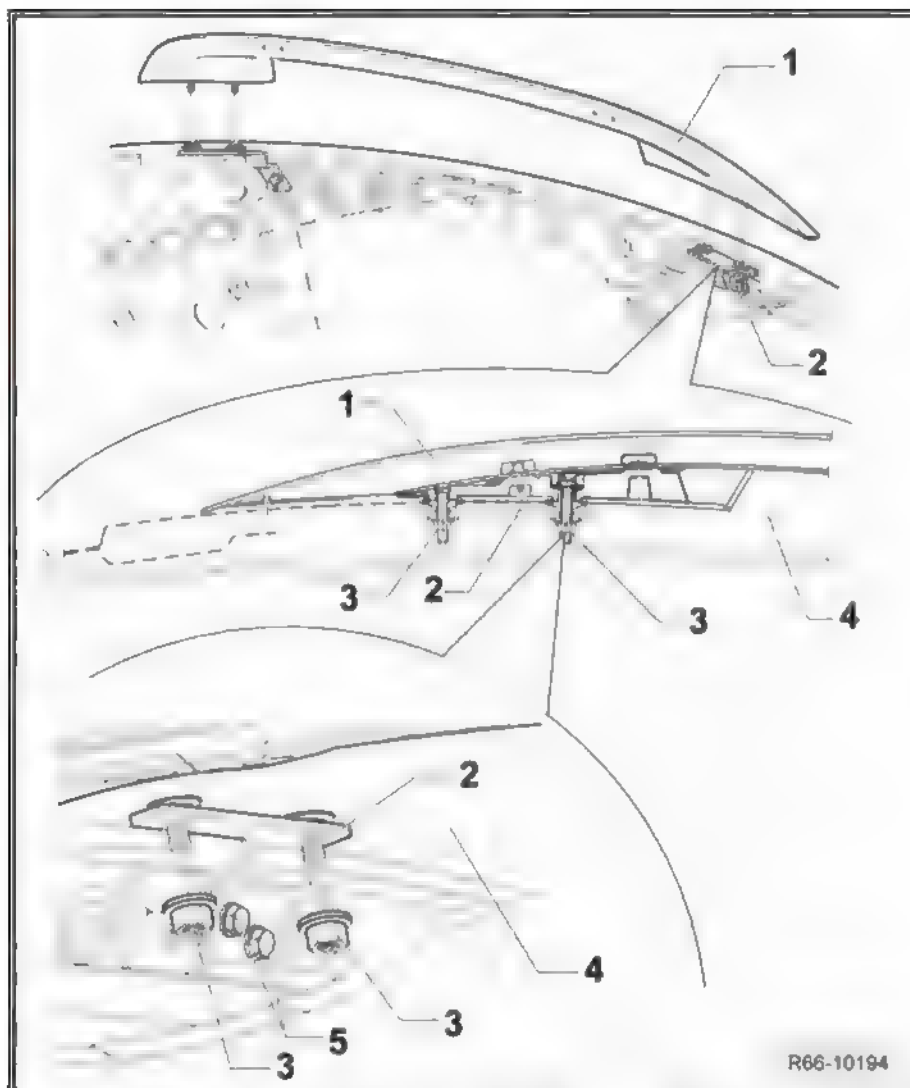
6 - Rubber wedge





2.2 Roof rack (New CrossFox) - assembly overview

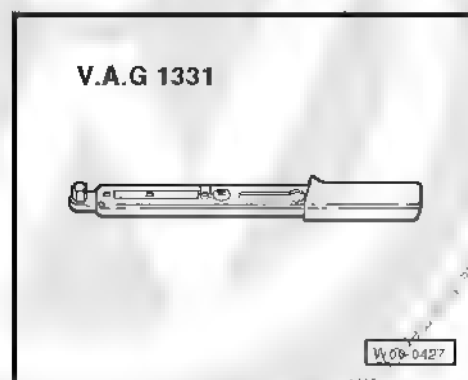
- 1 - Roof rack
 - ☐ Remove and install
→ [page 207](#)
- 2 - Rack fastening support
 - ☐ Replace → [page 210](#)
- 3 - Nut
 - ☐ Torque: 8 Nm
- 4 - Roof
 - ☐ Torque: 20 Nm
- 5 - Screw
 - ☐ Torque: 20 Nm



2.3 Roof rack (New CrossFox) - remove and install

Special tools and workshop equipment required

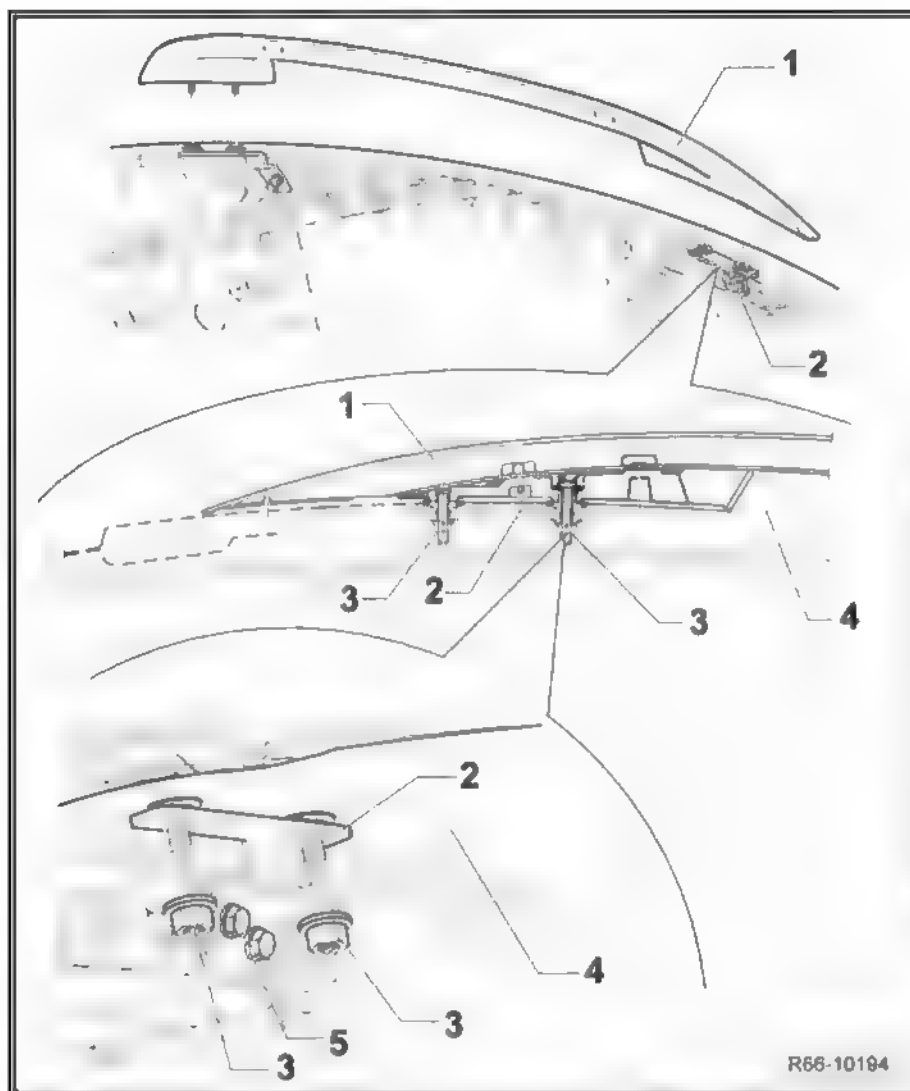
- ◆ "Torque wrench - 5 to 50 Nm (enc. 1/2")" -VAG 1331-





2.3.1 Remove

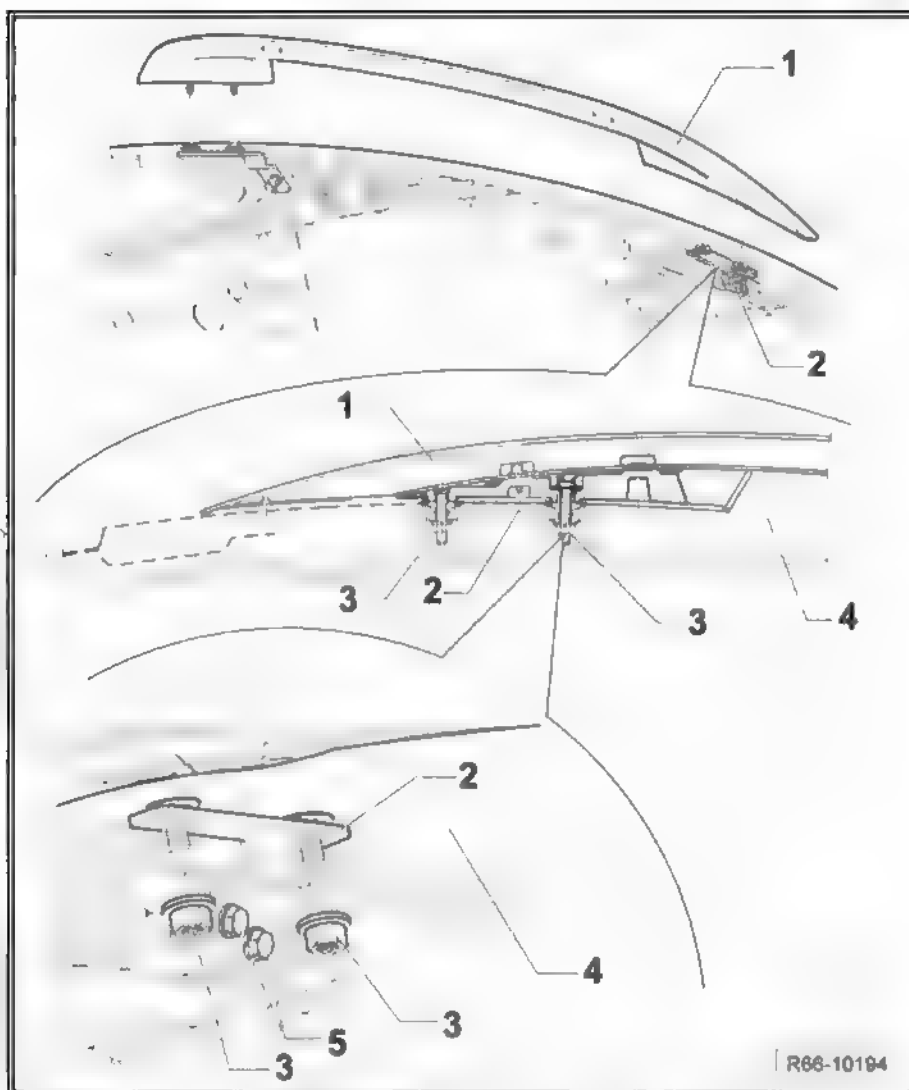
- Remove roof lining ➤ General body repairs, interior; Rep. gr. 70 , Linings / insulations



- Remove nuts -3- .
- Carefully remove the rack -1-.

2.3.2 Install

- Carefully place the rack -1- on the roof.



- Install the nuts -3-.
- Install the roof lining ⇒ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation



2.4 Roof rack fastening support (New CrossFox) - assembly overview

1 - Guide pin

- ☐ replacement part
- ☐ centering/positioning of guide rings -2-and -7-.

2 - Centering guide ring - conic

- ☐ distributes load in relation to roof curvature.

3 - Nut

- ☐ replacement part

4 - Rack fastening support

- ☐ adjust position in relation to roof, pushing it towards the -arrow-.

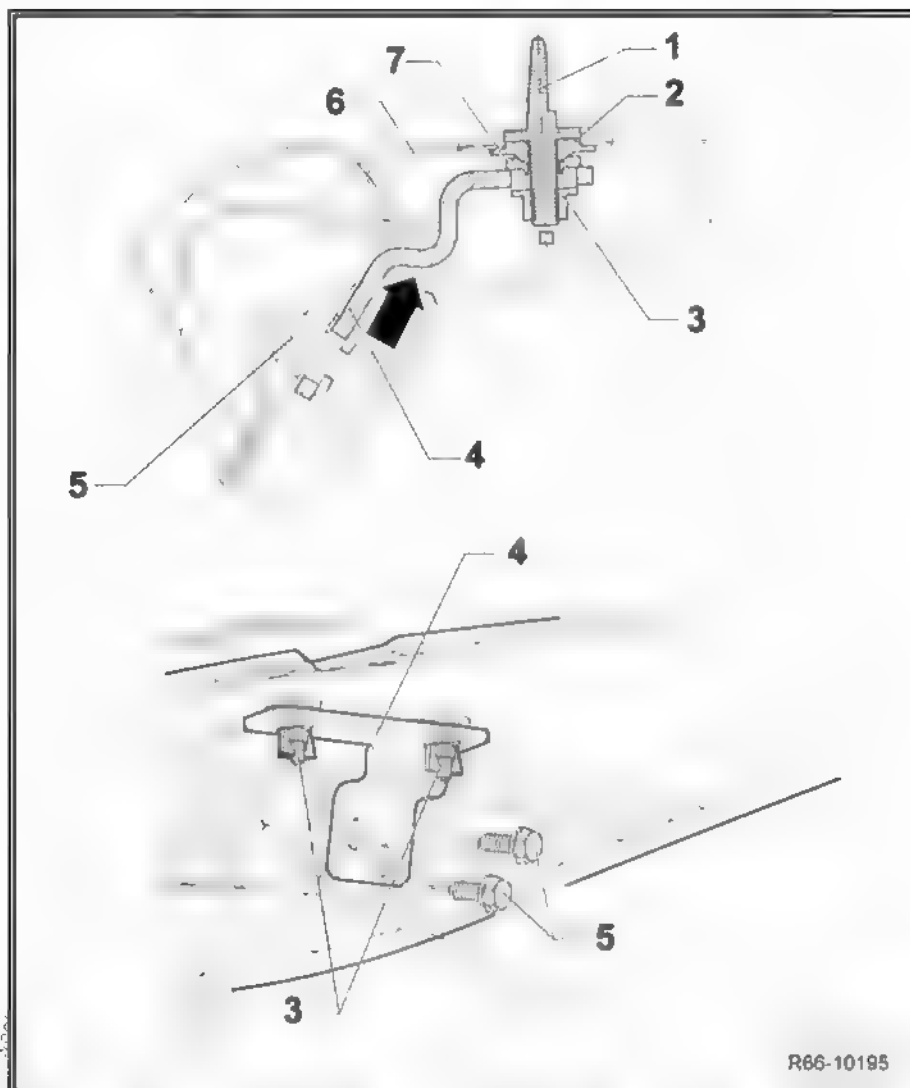
5 - Screw

- ☐ Torque: 20 Nm

6 - Roof

7 - Centering guide ring - concave

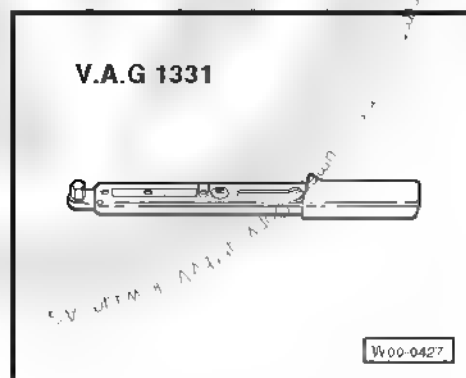
- ☐ distributes load in relation to roof curvature.



2.5 Roof rack fastening support (New CrossFox) - replace

Special tools and workshop equipment required

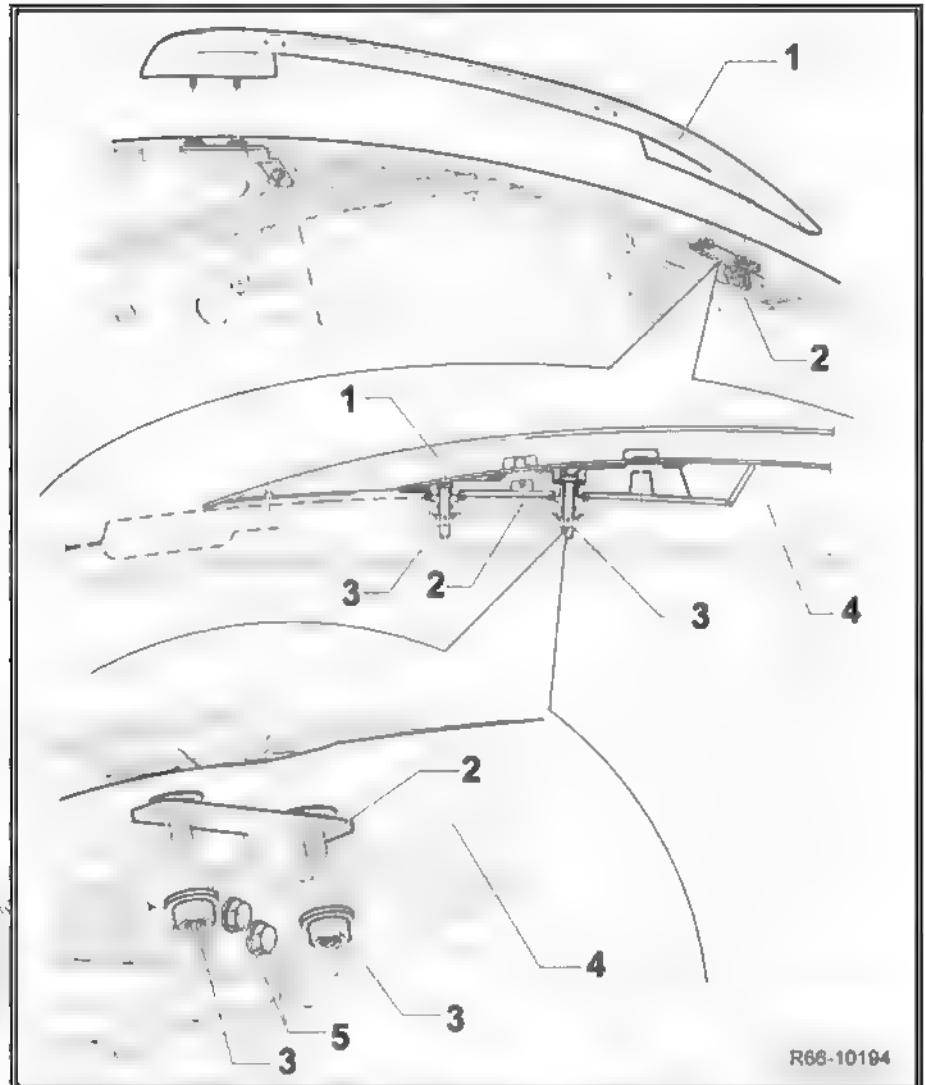
- ♦ "Torque wrench - 5 to 50 Nm² (enc. 1/2")" -VAG 1331-





2.5.1 Remove

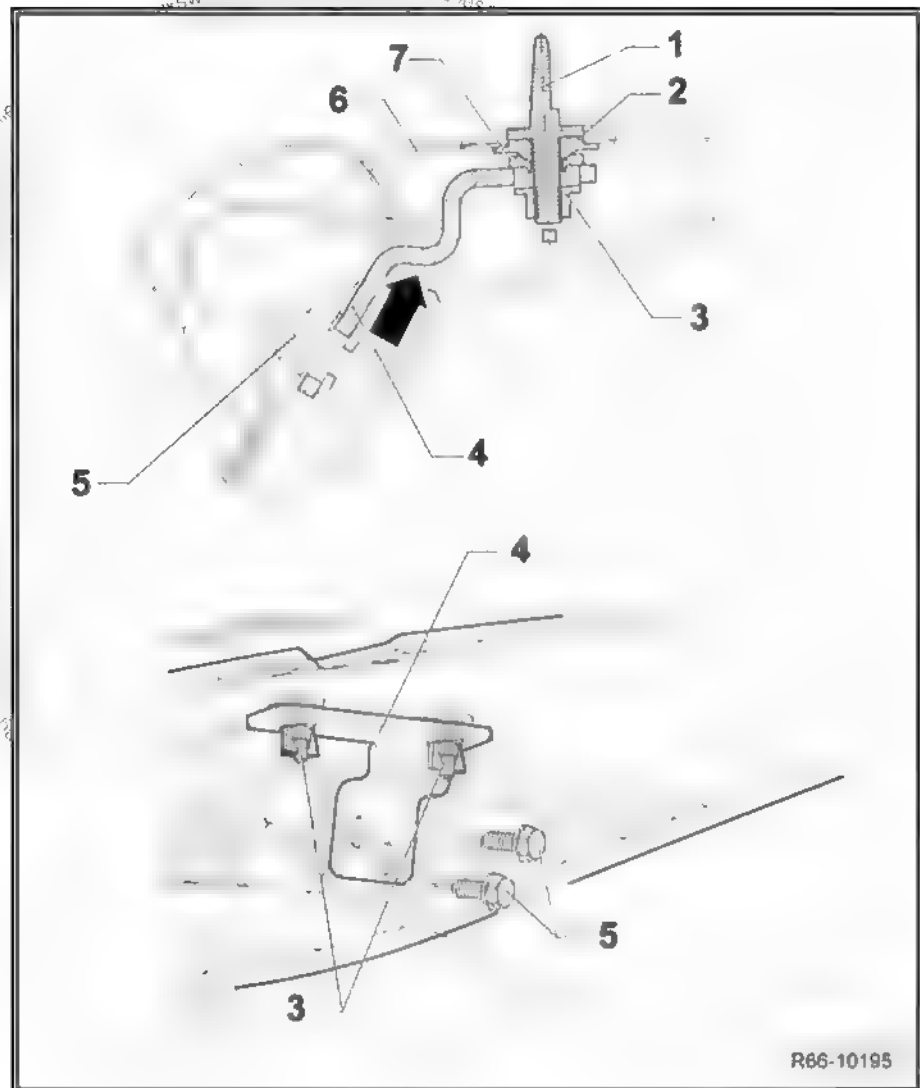
- Remove roof lining ➤ General body repairs, interior; Rep. gr 70 , Linings / insulations



- Remove nuts -3- .
- Carefully remove the rack -1-.
- Remove the screws -5-.
- Remove the support -2-.



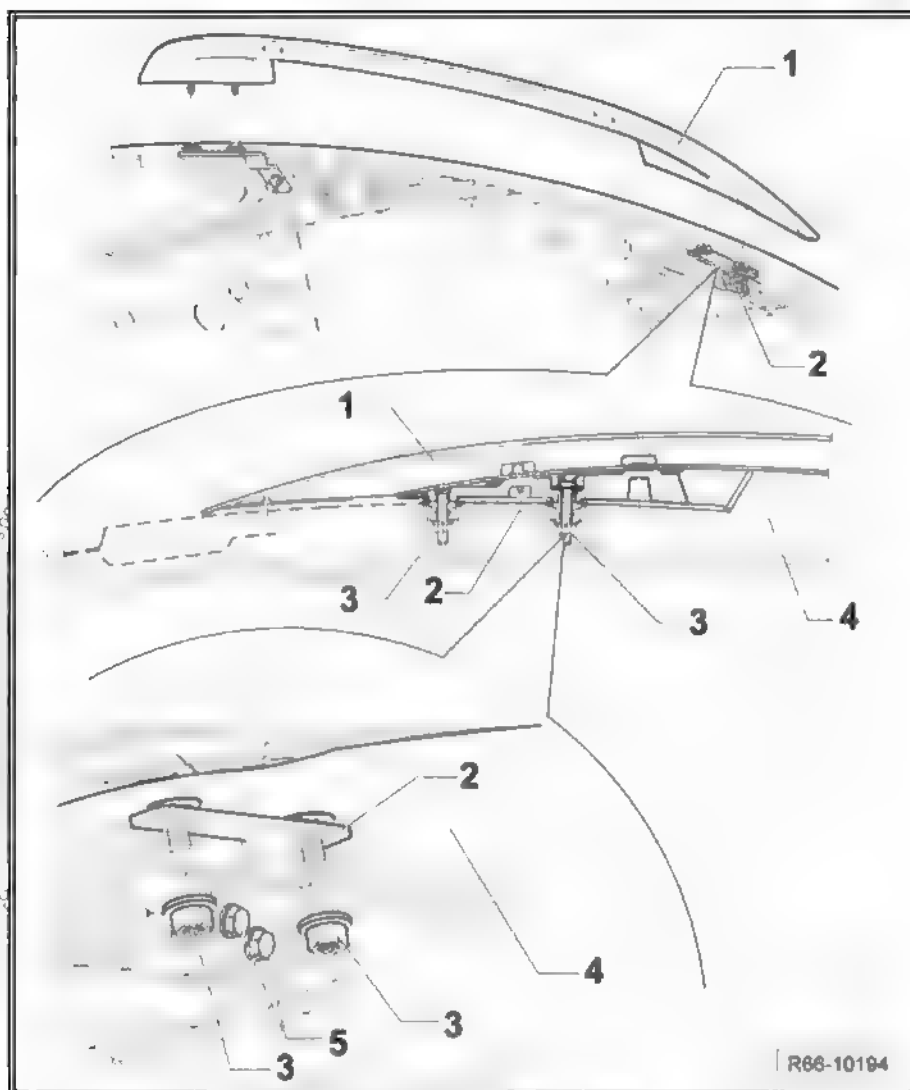
2.5.2 Install



Note

The new support has a guide pin -1- to position guide rings -2- and -7-.

- Place the support so the guide pin -1- adjust position of guide rings -2- and -7-.
- Install screws -5- and push support -2- until immobilizing guide rings -2- and -7-.
- Remove nuts -3- and guide pin -1-.



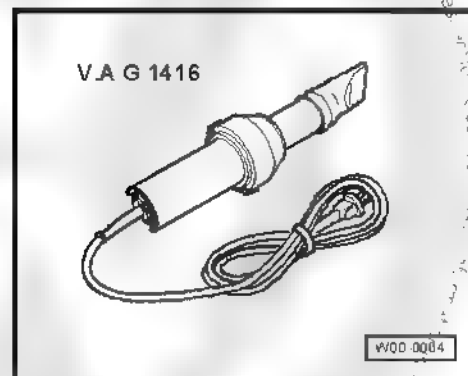
- Carefully place the rack -1- on the roof.
- Install the nuts -3-.
- Install the roof lining ⇒ Body - Internal assembly works; Rep. gr. 70 ; Lining / insulation



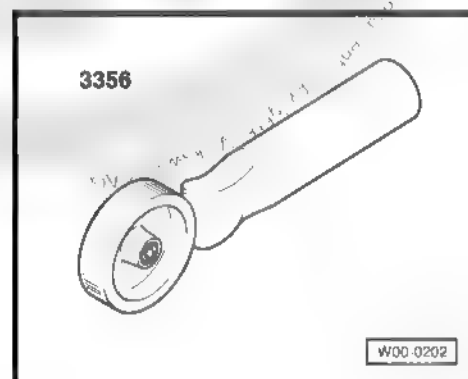
3 Badges (Fox)

Special tools and workshop equipment required

◆ Hot air blower -VAG 1416-



◆ Pressure roll -3356-



3.1 Version badge - replace

Remove



Note

Heat the logo using the hot air blower -VAG 1416- prior to removal

- Detach the badge with a plastic spatula.
- Clean rear hatch using the adhesive remover -D 002 000 10-, and apply the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.

Install

- Remove the double-sided tape liner and glue the badge as indicated. Use pressure roll -3356-

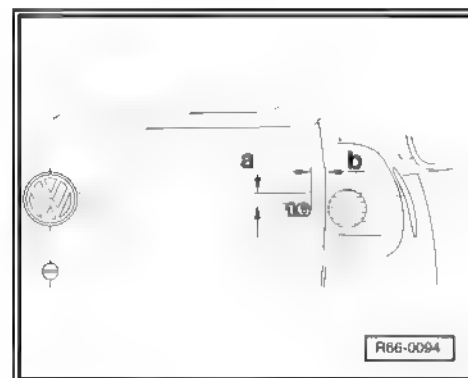
a = 15 mm

b = 35 mm



Note

Elevations are the same for other badges: „1.4“, „SDI“ and „TDI“





3.2 Model badge - replace

Remove



Note

Before removal, you must heat up the badge with the hot air blower -VAG 1416-.

- Detach the badge with a plastic spatula.
- Clean rear hatch using the adhesive remover -D 002 000 10-, and apply the cleaning solution -D 009 401 04-. Scrub the surface with a cloth until it is completely dry.

Install

- Remove the double-sided tape liner and glue the badge as indicated. Use pressure roll -3356-

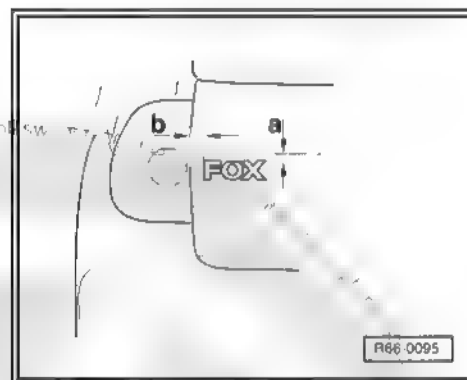
a = 15 mm

b = 35 mm



Note

Elevations are the same for the „LUPO“ badge.



3.3 „Total Flex“ badge - replace

Remove



Note

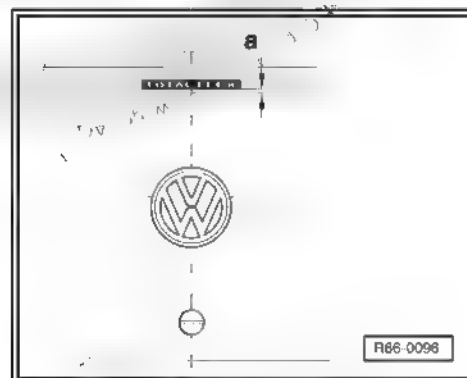
Before removal, you must heat up the badge with the hot air blower -VAG 1416-.

- Detach the badge with a plastic spatula.
- Clean rear hatch using the adhesive remover -D 002 000 10-, and apply the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.

Install

- Remove the double-sided tape liner and glue the badge as indicated. Use pressure roll -3356-

a = 6 mm





3.4 Plus version badge (side) - replace

Remove



Note

Before removal, you must heat up the badge with the hot air blower -VAG 1416-.

- Detach the badge with a plastic spatula.
- Clean rear hatch using the adhesive remover -D 002 000 10-, and apply the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.

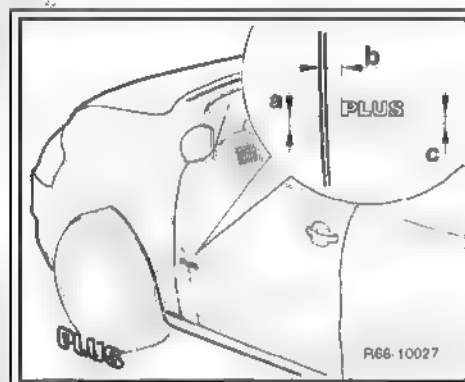
Install

- Remove the double-sided tape liner and glue the badge as indicated. Use pressure roll -3356-

a = 20 mm

b = 50 mm

c = 19 mm



3.5 Version and „Total Flex“ Badge (Cross-Fox) - replace

Remove



Note

Before removal, you must heat up the badge with the hot air blower -VAG 1416-.

- Detach the badge with a plastic spatula.
- Clean rear hatch using the adhesive remover -D 002 000 10-, and apply the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.

Install

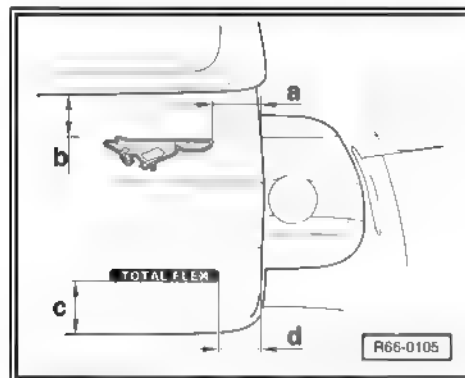
- Remove the double-sided tape liner and glue the badge as indicated. Use pressure roll -3356-

a = 40 mm

b = 78 mm

c = 65 mm

d = 35 mm





3.6 Wing and front door decorative stripe (Fox Extreme) - replace

Remove



Note

Before removal, heat up the decorative stripe with the hot air blower -VAG 1416-.

- Detach decorative stripe with a plastic spatula.
- Clean wing/door with adhesive remover -D 002 000 10- and apply cleaning solution -D 009 401 04-. Scrub surface with a cloth until it is completely dry

Install

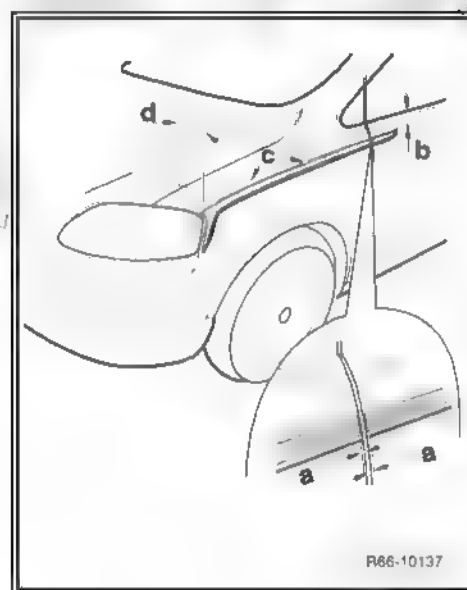
- Remove decorative stripe liner and glue it, as indicated. Use pressure roll -3356-

a = 4 mm

b = 50 mm

c = tangent to shine line

d = 80 mm



3.7 Rear door decorative stripe (Fox Extreme) - replace

Remove



Note

Before removal, heat up the decorative stripe with the hot air blower -VAG 1416-.

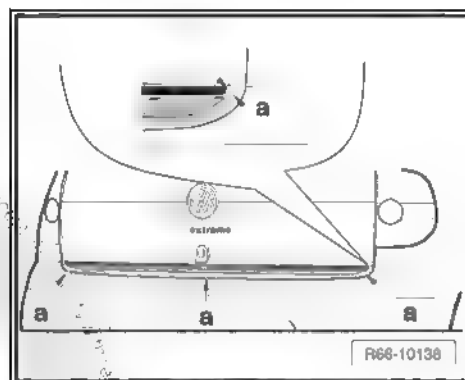
- Detach decorative stripe with a plastic spatula
- Clean rear hatch using the adhesive remover -D 002 000 10-, and apply the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry



Install

- Remove decorative stripe liner and glue it as indicated. Use pressure roll -3356-

a = 3 mm



3.8 „Fox extreme“ (Fox Extreme) Inscription - replace

Remove



Note

Heat the logo using the hot air blower -VAG 1416- prior to removal

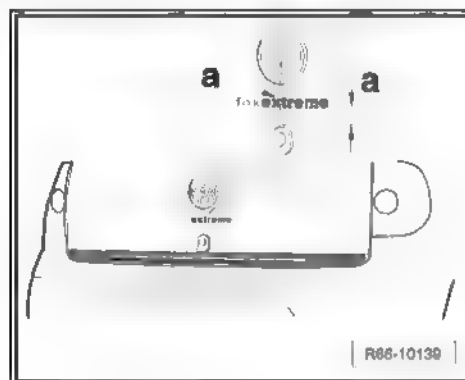
- Detach the badge with a plastic spatula.
- Clean rear hatch using the adhesive remover -D 002 000 10-, and apply the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.

Install

- Remove adhesive liner from logo and attach as indicated. Use a pressure roll -3356-

a = badge center

b = 35 mm



3.9 „Fox-shape“ badge on door (Fox Extreme) - replace

Remove



Note

Heat the logo using the hot air blower -VAG 1416- prior to removal

- Detach the badge with a plastic spatula.
- Clean door with adhesive remover -D 002 000 10- and apply cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.



Install

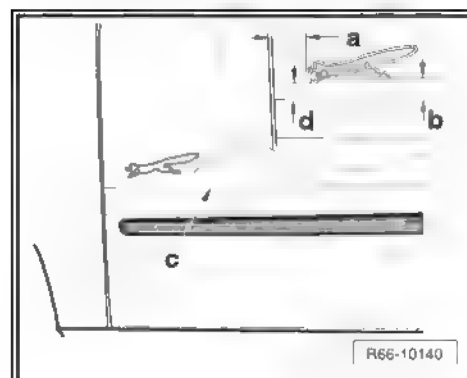
- Remove adhesive liner from logo and attach as indicated. Use a pressure roll -3356-

a = 50 mm

b = 24 mm

c = radius line

d = 20 mm



3.10 Side badge - BlackFox version (Fox BlackFox) - replace

Remove



Note

Before removal, you must heat up the badge with the hot air blower -VAG 1416-.

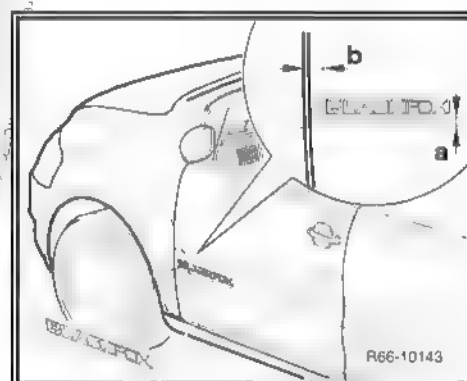
- Detach the badge with a plastic spatula.
- Clean rear hatch using the adhesive remover -D 002 000 10-, and apply the cleaning solution -D 009 401 04-. Scrub the surface with a cloth until it is completely dry.

Install

- Remove the double-sided tape liner and glue the badge as indicated. Use pressure roll -3356-

a = 18 mm

b = 25 mm



3.11 „BlackFox“ (Fox BlackFox) Badge on rear door - replace

Remove



Note

Heat the logo using the hot air blower -VAG 1416- prior to removal

- Detach the badge with a plastic spatula.
- Clean rear hatch using the adhesive remover -D 002 000 10-, and apply the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.

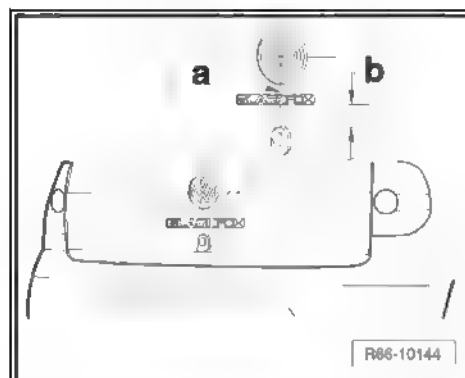


Install

- Remove adhesive liner from logo and attach as indicated. Use a pressure roll -3356-

a = badge center

b = 35 mm



3.12 Rear side panel „Refresh“ (Fox Refresh) Badge - replace

Remove



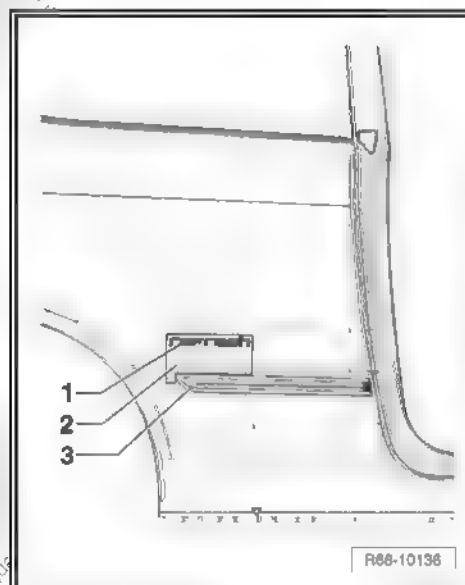
Note

Heat the logo using the hot air blower -VAG 1416- prior to removal

- Detach the badge with a plastic spatula.
- Clean rear side panel with adhesive remover -D 002 000 10- and apply cleaning solution -D 009 401 04-. Scrub the surface with a cloth until it is completely dry.

Install

- 1 - Refresh Badge
 - 2 - Guide liner
 - 3 - Rear side panel trim
- Place the badge using guide liner -2- supported by the rear side panel trim -3-. Remove badge liner and glue it as indicated. Use pressure roll -3356-



3.13 „Fox Sunrise“ (Fox Sunrise) badge on rear door - replace

Remove



Note

Heat the logo using the hot air blower -VAG 1416- prior to removal

- Detach the badge with a plastic spatula.

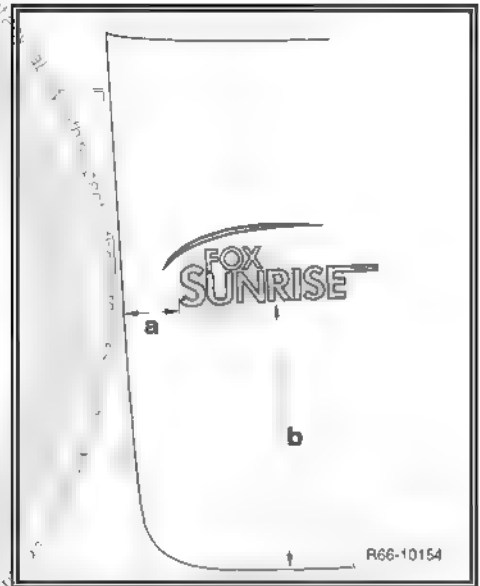
- Clean rear hatch using the adhesive remover -D 002 000 10-, and apply the cleaning solution -D 009 401 04-. Scrub the surface with a cloth until it is completely dry.

Install

- Remove adhesive liner from logo and attach as indicated. Use a pressure roll -3356-

a = 42 mm

b = 197 mm



3.14 "Fox Sunrise" (Fox Sunrise) badge on rear side - replace

Remove



Note

Heat the logo using the hot air blower -VAG 1416- prior to removal

- Detach the badge with a plastic spatula.
- Clean rear hatch using the adhesive remover -D 002 000 10-, and apply the cleaning solution -D 009 401 04-. Scrub the surface with a cloth until it is completely dry.

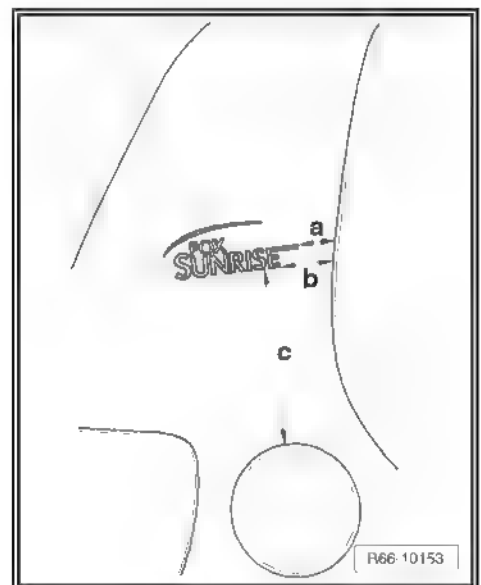
Install

- Remove adhesive liner from logo and attach as indicated. Use a pressure roll -3356-

a = 42 mm

b = 60 mm

c = 206 mm





3.15 „Fox Sunrise“ (Fox Sunrise) Badge on external rearview mirror case - replace

Remove



Note

Heat the logo using the hot air blower -VAG 1416- prior to removal

- Detach the badge with a plastic spatula.
- Clean external rearview mirror case with adhesive remover - D 002 000 10- and apply cleaning solution -D 009 401 04- . Rub the surface with a cloth until it is completely dry.

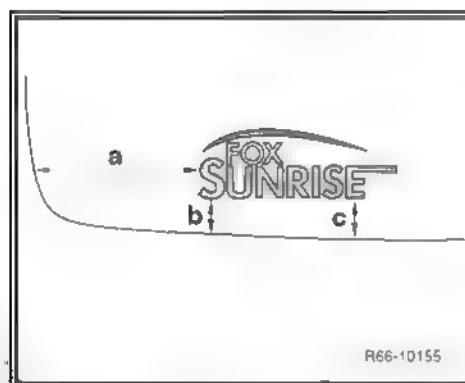
Install

- Remove adhesive liner from logo and attach as indicated. Use a pressure roll -3356-

a = 50 mm

b = 10 mm

c = 11 mm



3.16 Decorative stripe on bumper rear protector - replace

Remove



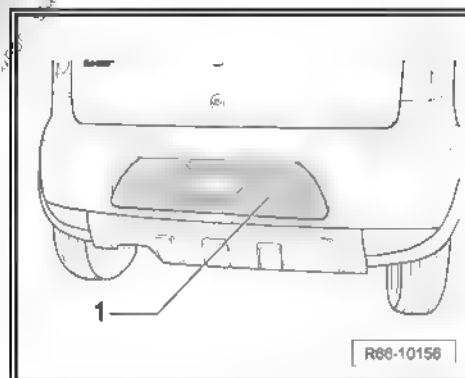
Note

Heat the logo using the hot air blower -VAG 1416- prior to removal

- Detach rear protector decorative stripe -1- with a plastic spatula.
- Clean rear protector with adhesive remover -D 002 000 10- and apply cleaning solution -D 009 401 04- . Rub the surface with a cloth until it is completely dry.

Install

- Remove decorative stripe liner and glue it as indicated. Use pressure roll -3356-



3.17 CrossFox (➤ 2007) side badge - replace



1 - „FOX“ badge gluing area

- ☐ Clean the area using adhesive remover -D 002 000 10- , then apply the cleaning solution -D 009 401 04- .

2 - „FOX“ badge

- ☐ self-adhesive
- ☐ Rear bumper central protection
- ☐ Heat logo using the hot air blower -VAG 1416- prior to removal.
- ☐ Remove badge liner, place the badge plastic foil in relation to the door crease -5-, carefully press in order not to trap air bubbles into the badge, then press it strongly using the pressure roll -3356- . Operating temperature approx. 20°C.

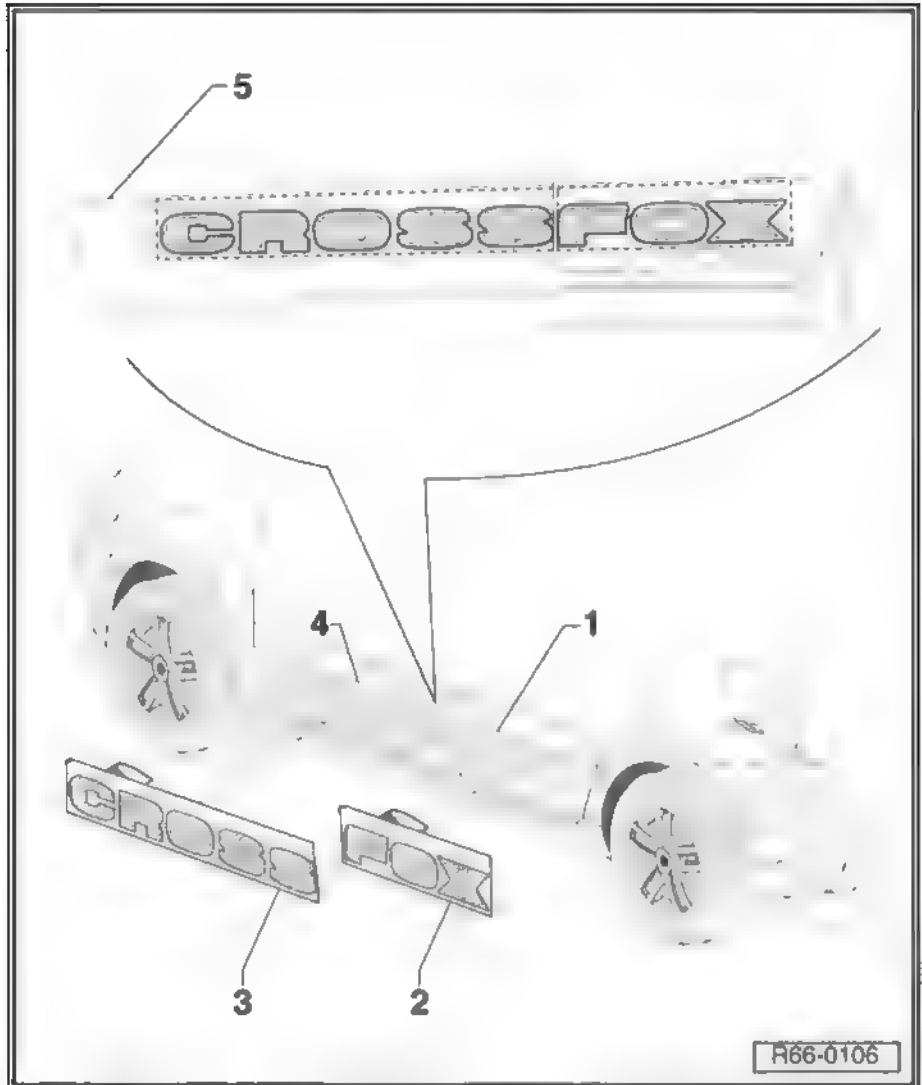
3 - „CROSS“ Badge

- ☐ self-adhesive
- ☐ Heat logo using the hot air blower -VAG 1416- prior to removal.
- ☐ Remove badge liner, place the badge plastic foil in relation to the door crease -5-, carefully press in order not to trap air bubbles into the badge, then press it strongly using the pressure roll -3356- . Operating temperature approx. 20°C.

4 - „CROSS“ badge gluing area

- ☐ Clean the area using adhesive remover -D 002 000 10- , then apply the cleaning solution -D 009 401 04- .

5 - Crease for badge alignment





3.18 CrossFox (2008 ➤) side badge - replace

1 - Crease for badge alignment on front door

2 - Rear door badge

- ☐ self-adhesive
- ☐ Rear bumper central protection
- ☐ Heat logo using the hot air blower -VAG 1416- prior to removal.
- ☐ Remove badge liner, place the badge plastic foil in relation to the door crease -6-, carefully press in order not to trap air bubbles into the badge, then press it strongly using the pressure roll -3356-. Operating temperature approx. 20°C.

3 - Rear passenger door badge gluing area

- ☐ Clean the area using adhesive remover -D 002 000 10-, then apply the cleaning solution -D 009 401 04-.

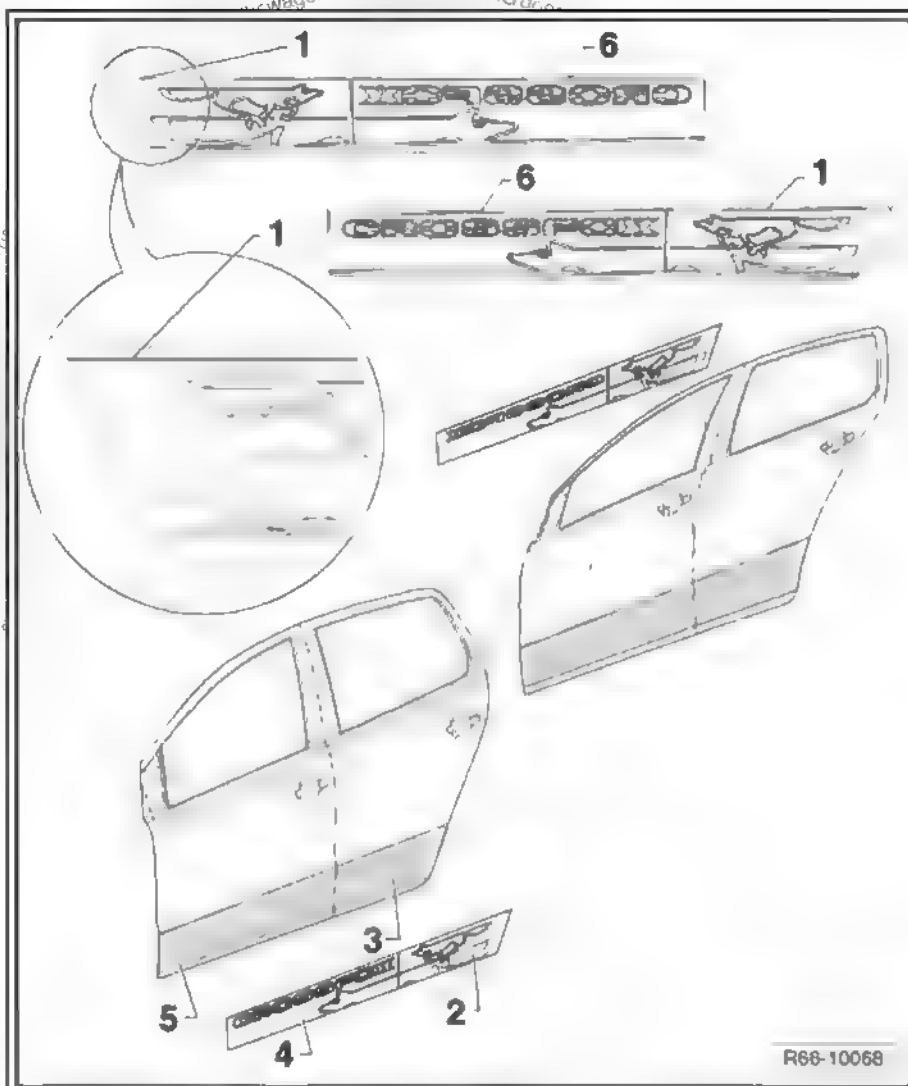
4 - Front door logo

- ☐ self-adhesive
- ☐ Heat logo using the hot air blower -VAG 1416- prior to removal.
- ☐ Remove badge liner, place the badge plastic foil in relation to the door crease -1-, carefully press in order not to trap air bubbles into the badge, then press it strongly using the pressure roll -3356-. Operating temperature approx. 20°C.

5 - Front door badge gluing area

- ☐ Clean the area using adhesive remover -D 002 000 10-, then apply the cleaning solution -D 009 401 04-.

6 - Crease for badge alignment on rear passenger door

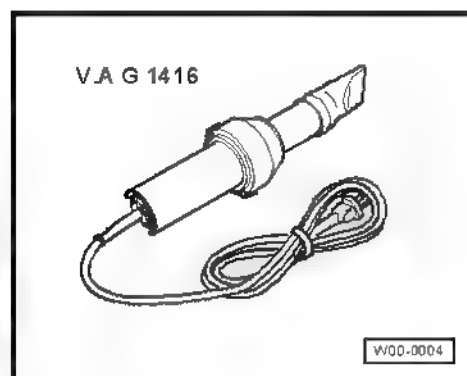




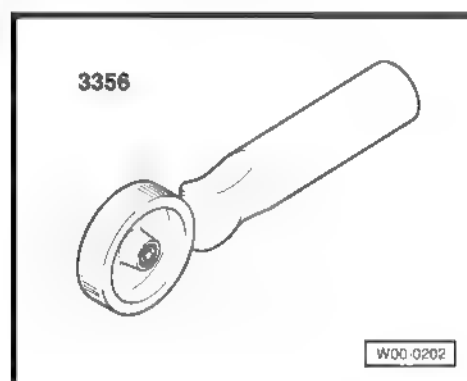
4 Badges (New Fox)

Special tools and workshop equipment required

- ◆ Hot air blower -VAG 1416-



- ◆ Pressure roll -3356-



4.1 (New Fox) version badge - replace

Remove



Note

Heat the logo using the hot air blower -VAG 1416- prior to removal

- Detach the badge with a plastic spatula.
- Clean rear hatch using the adhesive remover -D 002 000 10- , and apply the cleaning solution -D 009 401 04- . Rub the surface with a cloth until it is completely dry.

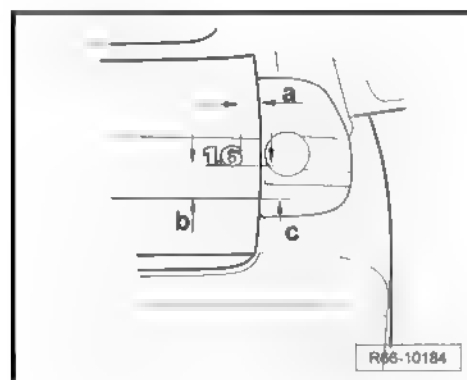
Install

- Remove the double-sided tape liner and glue the badge as indicated. Use pressure roll -3356-

a = 34 mm

b = 95.2 mm

c = 90 mm





4.2 (New Fox) version badge - replace

Remove



Note

Heat the logo using the hot air blower -VAG 1416- prior to removal

- Detach the badge with a plastic spatula.
- Clean rear hatch using the adhesive remover -D 002 000 10-, and apply the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.

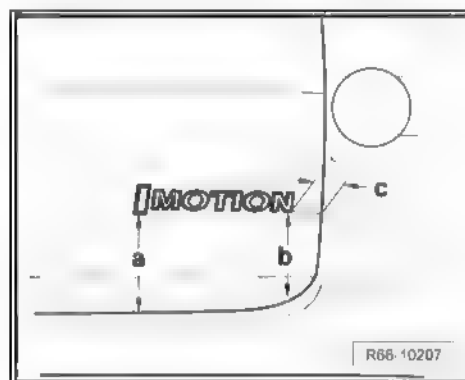
Install

- Remove the double-sided tape liner and glue the badge as indicated. Use pressure roll -3356-

a = 98.2 mm

b = 85.2 mm

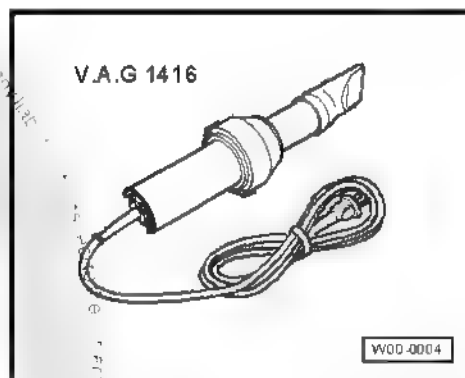
c = 27.45mm



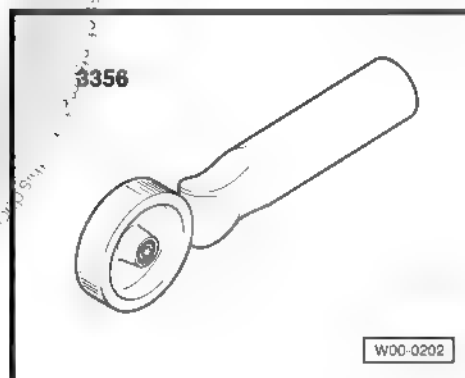
4.3 Badge „Rock in Rio“ (Gol Rock in Rio) - replace

Special tools and workshop equipment required

- ◆ Hot air blower -VAG 1416-



- ◆ Pressure roll -3356-





Remove



Note

Heat the logo using the hot air blower -VAG 1416- prior to removal

- Detach logo -2- using a plastic spatula.
- Clean rear door -1- using the adhesive remover -D 002 000 10- and apply the cleaning solution -D 009 401 04- . Rub the surface with a cloth until it is completely dry.

Install

- Remove adhesive liner from logo and attach as indicated. Use a pressure roll -3356-

a = 55.5 mm

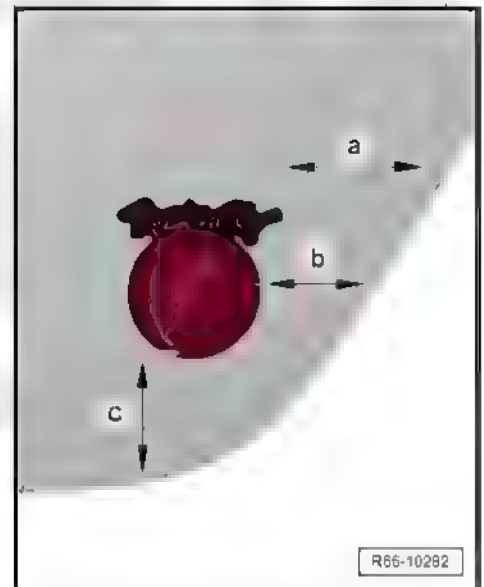
b = 38.6mm

c = 54 mm



Note

Operating temperature approx. 20°C.



4.4 (New Fox) model badge - replace

Remove



Note

Before removal, you must heat up the badge with the hot air blower -VAG 1416- .

- Detach the badge with a plastic spatula.
- Clean rear hatch using the adhesive remover -D 002 000 10- , and apply the cleaning solution -D 009 401 04- . Rub the surface with a cloth until it is completely dry.



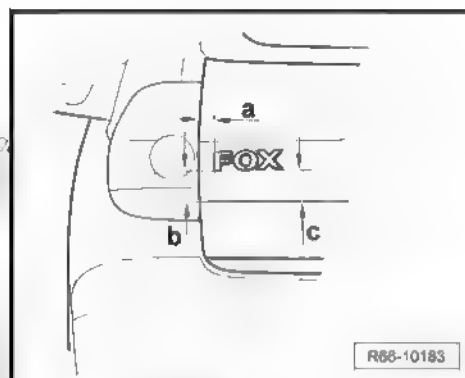
Install

- Remove the double-sided tape liner and glue the badge as indicated. Use pressure roll -3356-

a = 30.5 mm

b = 81.6 mm

b = 96.5 mm



4.5 (New CrossFox) model badge - replace

Remove



Note

Before removal, you must heat up the badge with the hot air blower -VAG 1416-.

- Detach the badge with a plastic spatula.
- Clean rear hatch using the adhesive remover -D 002 000 10-, and apply the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.

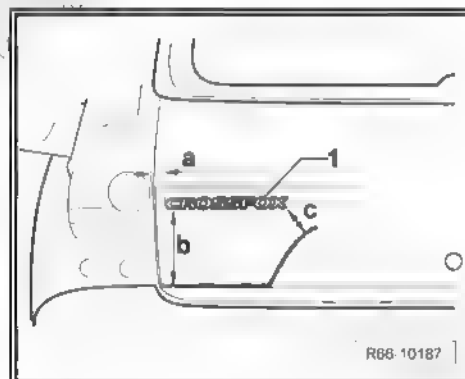
Install

- Remove the double-sided tape liner and glue the badge as indicated. Use pressure roll -3356-

a = 19.1 mm

b = 133.4 mm

b = 59.7 mm



4.6 „Fox-shape“ badge on door (New CrossFox) - replace

Remove



Note

Heat the logo using the hot air blower -VAG 1416- prior to removal

- Detach logo -1- using a plastic spatula.
- Clean door with adhesive remover -D 002 000 10- and apply cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.



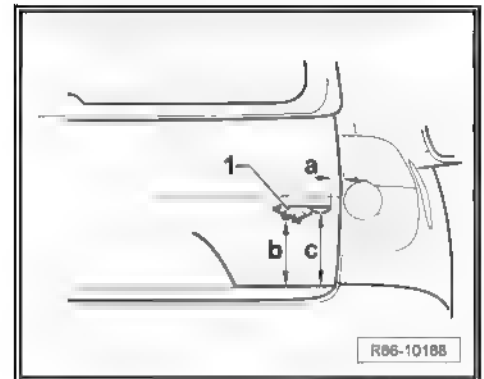
Install

- Remove adhesive liner from logo and attach as indicated. Use a pressure roll -3356-

a = 19 mm

b = 125.5 mm

c = 140.7 mm



4.7 „Silverfox“ (Fox Silverfox - 2012) Badge on rear door - replace

Remove



Note

Heat the logo using the hot air blower -VAG 1416- prior to removal

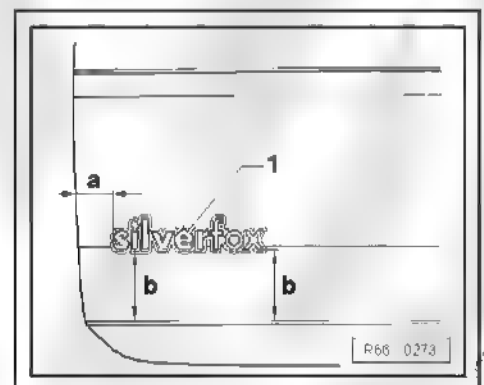
- Detach logo -1- using a plastic spatula.
- Clean rear hatch using the adhesive remover -D 002 000 10-, and apply the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.

Install

- Remove badge liner -1- from logo and attach as indicated. Use a pressure roll -3356-

a = 30 mm

b = 58 mm



4.8 „BlackFox“ (Fox BlackFox - 2012) Badge on rear door - replace

Remove



Note

Heat the logo using the hot air blower -VAG 1416- prior to removal

- Detach logo -1- using a plastic spatula
- Clean rear hatch using the adhesive remover -D 002 000 10-, and apply the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.

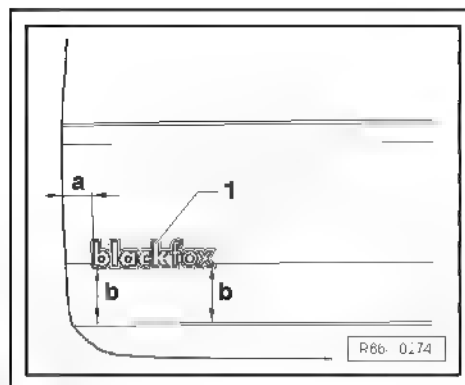


Install

- Remove badge liner -1- from logo and attach as indicated. Use a pressure roll -3356-

a = 30 mm

b = 58 mm



49 Side badge (New Fox) - replace

1 - Side badge

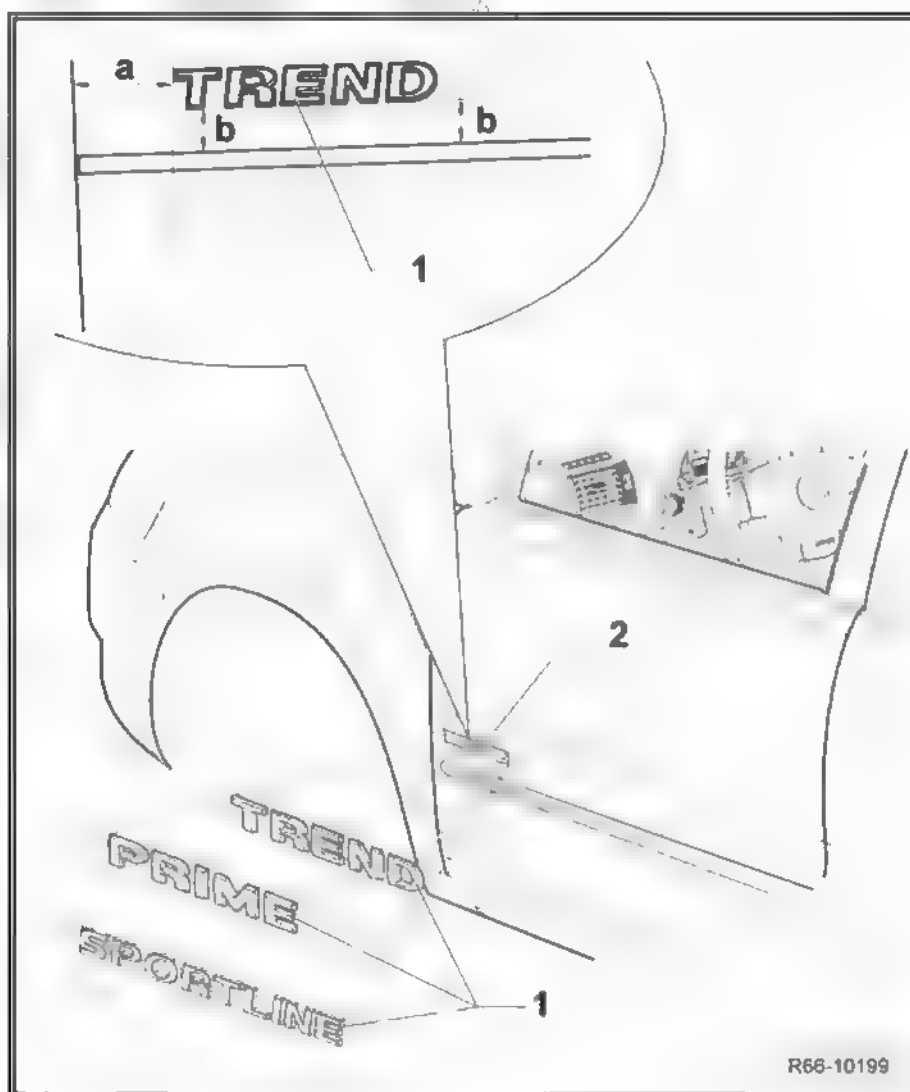
- self-adhesive
- Heat logo using the hot air blower -VAG 1416- prior to removal.
- Remove badge liner and glue it as indicated. Use pressure roll -3356-. Operating temperature approx. 20°C.

a = 39.8 mm

b = 18 mm

2 - Badge adhesion area

- Clean the area using adhesive remover -D 002 000 10-, then apply the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.





4.10 Side badge - Silverfox version (Fox Silverfox 2012) - replace

Remove



Note

Before removal, you must heat up the badge with the hot air blower -VAG 1416-.

- Detach the badge with a plastic spatula.
- Clean rear hatch using the adhesive remover -D 002 000 10-, and apply the cleaning solution -D 009 401 04-. Scrub the surface with a cloth until it is completely dry.

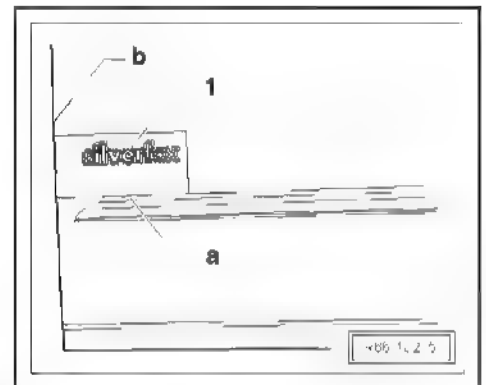
Install



Note

The replacement part has a location mask.

- Remove the liner and position the badge using the edge of the front door -b- and the lower crease -b- as a reference to position the mask. Glue it and press it using a pressure roll -3356-



Note

Operating temperature approx. 20°C

4.11 Side badge - BlackFox version (Fox BlackFox 2012) - replace

Remove



Note

Before removal, you must heat up the badge with the hot air blower -VAG 1416-.

- Detach the badge with a plastic spatula.
- Clean rear hatch using the adhesive remover -D 002 000 10-, and apply the cleaning solution -D 009 401 04-. Scrub the surface with a cloth until it is completely dry.



Install



Note

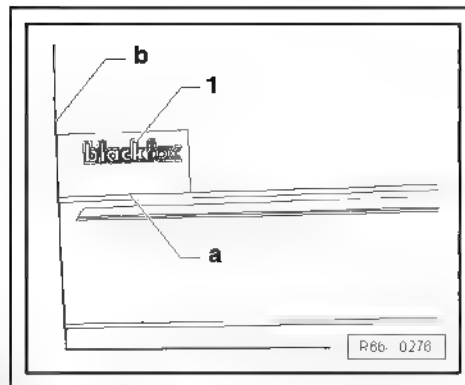
The replacement part has a location mask.

- Remove the liner and position the badge using the edge of the front door -b- and the lower crease -b- as a reference to position the mask. Glue it and press it using a pressure roll -3356-



Note

Operating temperature approx. 20°C



4.12 Side badge - Itrend version (Fox Itrend 2012) - replace

Remove



Note

Before removal, you must heat up the badge with the hot air blower -VAG 1416-.

- Detach the badge with a plastic spatula.
- Clean rear hatch using the adhesive remover -D 002 000 10-, and apply the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.

Install



Note

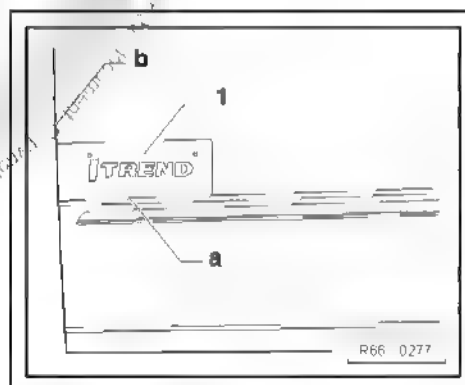
The replacement part has a location mask.

- Remove the liner and position the badge using the edge of the front door -b- and the lower crease -b- as a reference to position the mask. Glue it and press it using a pressure roll -3356-



Note

Operating temperature approx. 20°C.

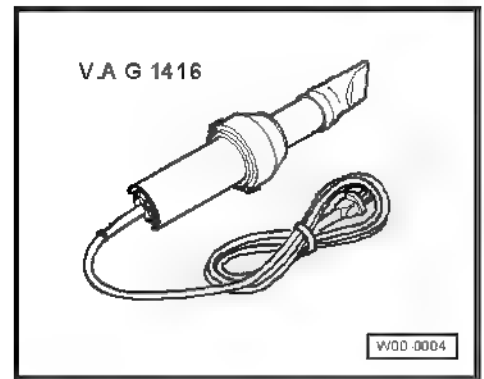


4.13 Decorative stripe on the front and rear door (Fox Rock in Rio) - replace

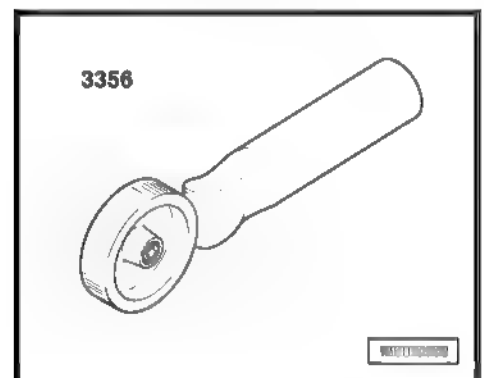
Special tools and workshop equipment required



◆ Hot air blower -VAG 1416-



◆ Pressure roll -3356-





1 - Front door fixed window

- ☐ self-adhesive
- ☐ Before removing, you must heat up the lining with the hot air blower - VAG 1416- .
- ☐ When installing:
- Clean the adhesion area with the cleaning solution -D 009 401 04- . Rub the surface with a cloth until it is completely dry.
- Upon installation, heat previously the adhesion area for lining, with the Hot air blower with the - VAG 1416- .

Remove the covering liner, position the plastic foil (mask) of the covering in relation to the door crease -3-, press carefully in order not to trap air bubbles into the covering, and then, press strongly by using the pressure roll -3356- . Operating temperature approx. 20°C

- Remove the positioning mask from the decorative stripe.

2 - Door edge

- ☐ for positioning the decorative stripe mask

3 - Lower crease of the door

- ☐ for positioning the decorative stripe mask

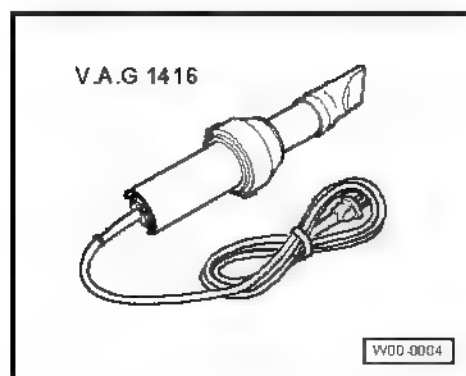
4 - Upper crease of the door



4.14 Decorative stripe on the rear door (Fox Rock in Rio) - replace

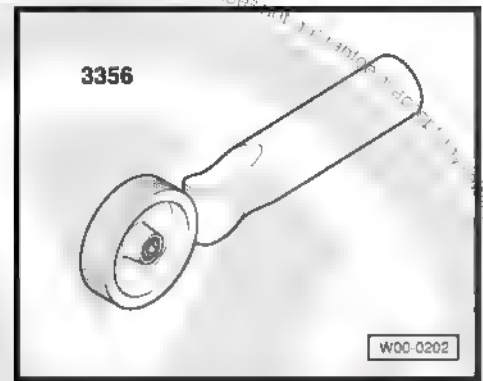
Special tools and workshop equipment required

- ♦ Hot air blower -VAG 1416-



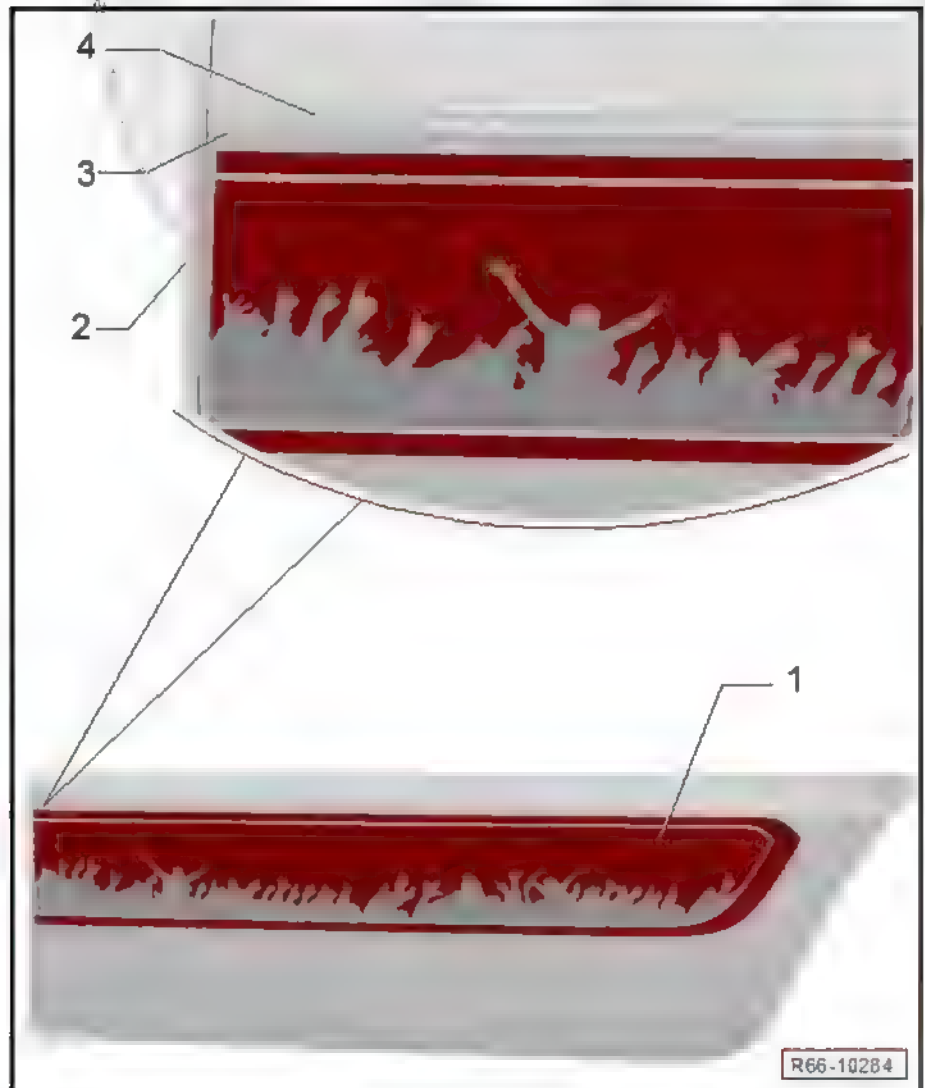


◆ Pressure roll -3356-



1 - Rear door fixed window

- ☐ self-adhesive
- ☐ Before removing, you must heat up the lining with the hot air blower - VAG 1416- .
- ☐ When installing:
 - Clean the adhesion area with the cleaning solution -D 009 401 04- . Rub the surface with a cloth until it is completely dry.
 - Upon installation, heat previously the adhesion area for lining, with the Hot air blower with the - VAG 1416- .
 - Remove the covering liner, position the plastic foil (mask) of the covering in relation to the door crease -2-, press carefully in order not to trap air bubbles into the covering, and then, press strongly by using the pressure roll -3356- . Operating temperature approx. 20°C
 - Remove the positioning mask from the decorative stripe.



2 - Front door edge

- ☐ for positioning the decorative stripe mask

3 - Lower crease of the door

- ☐ for positioning the decorative stripe mask

4 - Upper crease of the door



4.15 Side badge (New CrossFox) - replace

1 - Rear passenger door badge gluing area

- ☐ Clean the area using adhesive remover -D 002 000 10-, then apply the cleaning solution -D 009 401 04-.

2 - Rear door badge

- ☐ self-adhesive
- ☐ Rear bumper central protection
- ☐ Heat logo using the hot air blower -VAG 1416- prior to removal.
- ☐ Remove badge liner, place the badge plastic foil in relation to the door crease -5-, carefully press in order not to trap air bubbles into the badge, then press it strongly using the pressure roll -3356-. Operating temperature approx. 20°C.

a = 1 mm from curvature radius

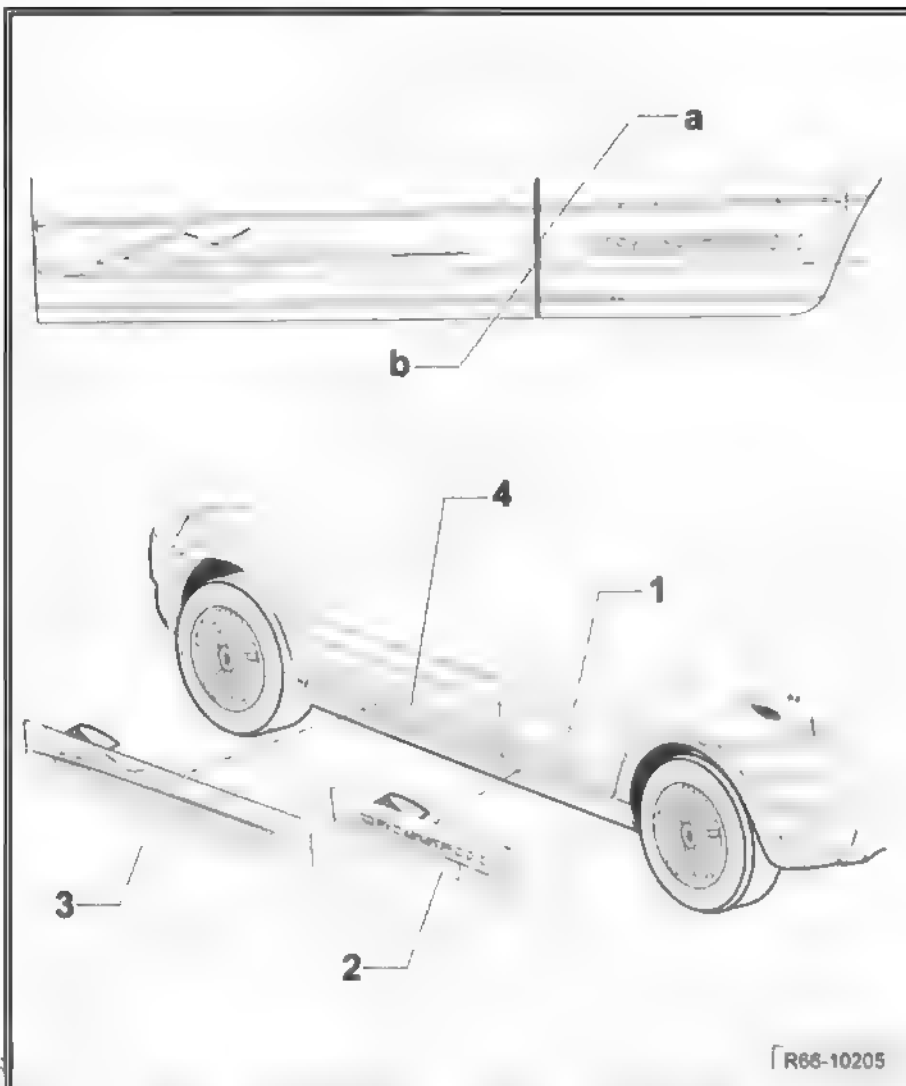
3 - Front door logo

- ☐ self-adhesive
- ☐ Heat logo using the hot air blower -VAG 1416- prior to removal.
- ☐ Remove badge liner, place the badge plastic foil in relation to the door crease -5-, carefully press in order not to trap air bubbles into the badge, then press it strongly using the pressure roll -3356-. Operating temperature approx. 20°C.

b = 1 mm from curvature radius

4 - Front door badge gluing area

- ☐ Clean the area using adhesive remover -D 002 000 10-, then apply the cleaning solution -D 009 401 04-.

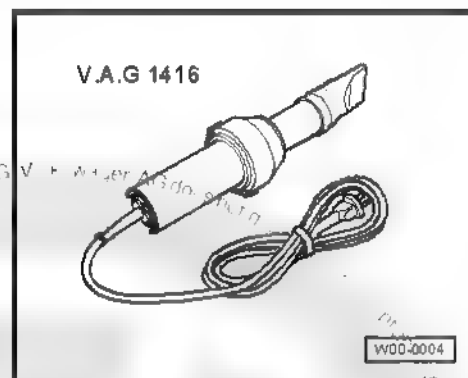




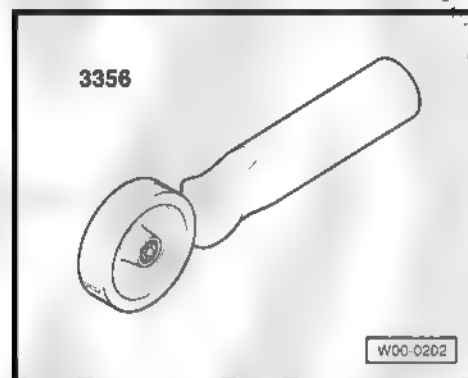
5 Side footboard (CrossFox and Fox Sunrise)

Special tools and workshop equipment required

- ◆ Hot air blower -VAG 1416-



- ◆ Pressure roll -3356-



5.1 Rear bumper trim - replace



1 - Rear bumper trim

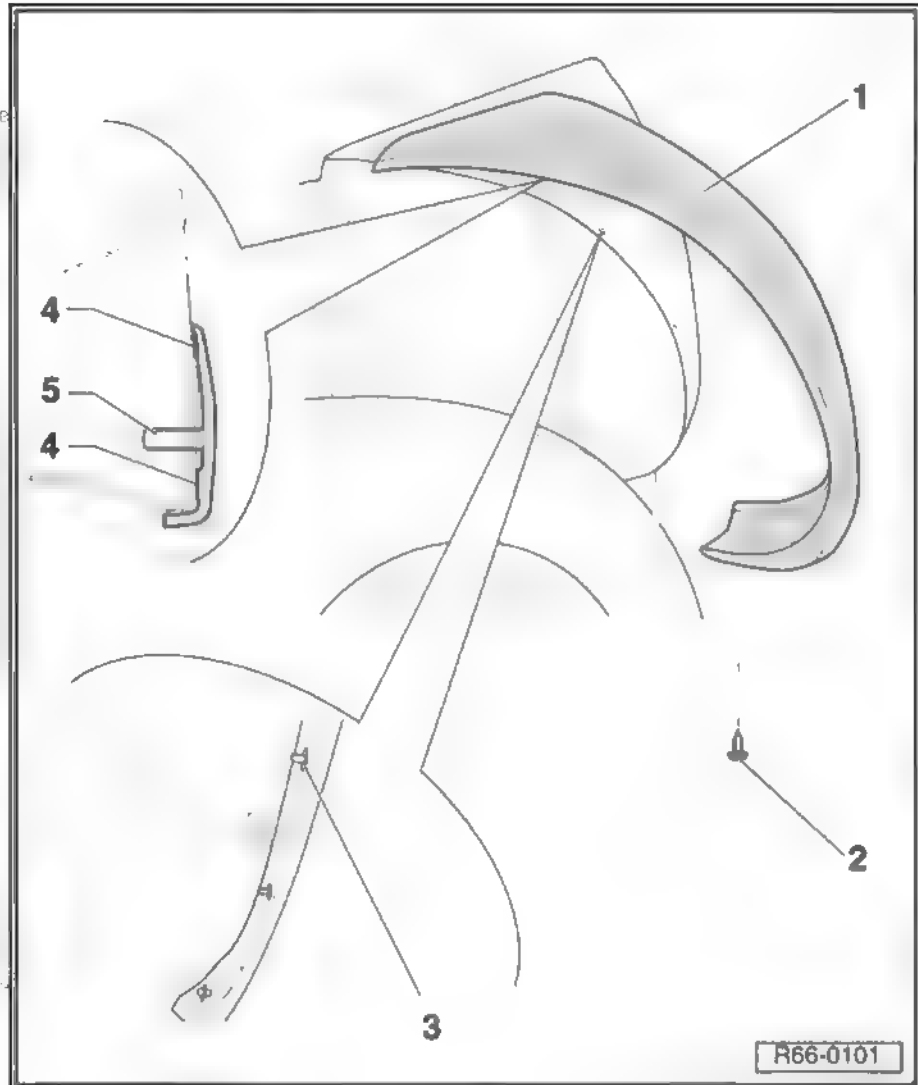
- ☐ Self-adherent
- ☐ Remove locking washers -3- and screw -2-
- ☐ Before removing, you must heat up the lining with the hot air blower - VAG 1416- .
- ☐ Clean the area using adhesive remover -D 002 000 10- , then apply the cleaning solution -D 009 401 04- .
- ☐ Remove the adhesive tape liner, position the trim. Operating temperature approx. 20°C.

2 - Screw

3 - Locking washer

4 - Double-sided adhesive tape

- ☐ The adhesive tape adhesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched.





5.2 Rear side panel trim - replace

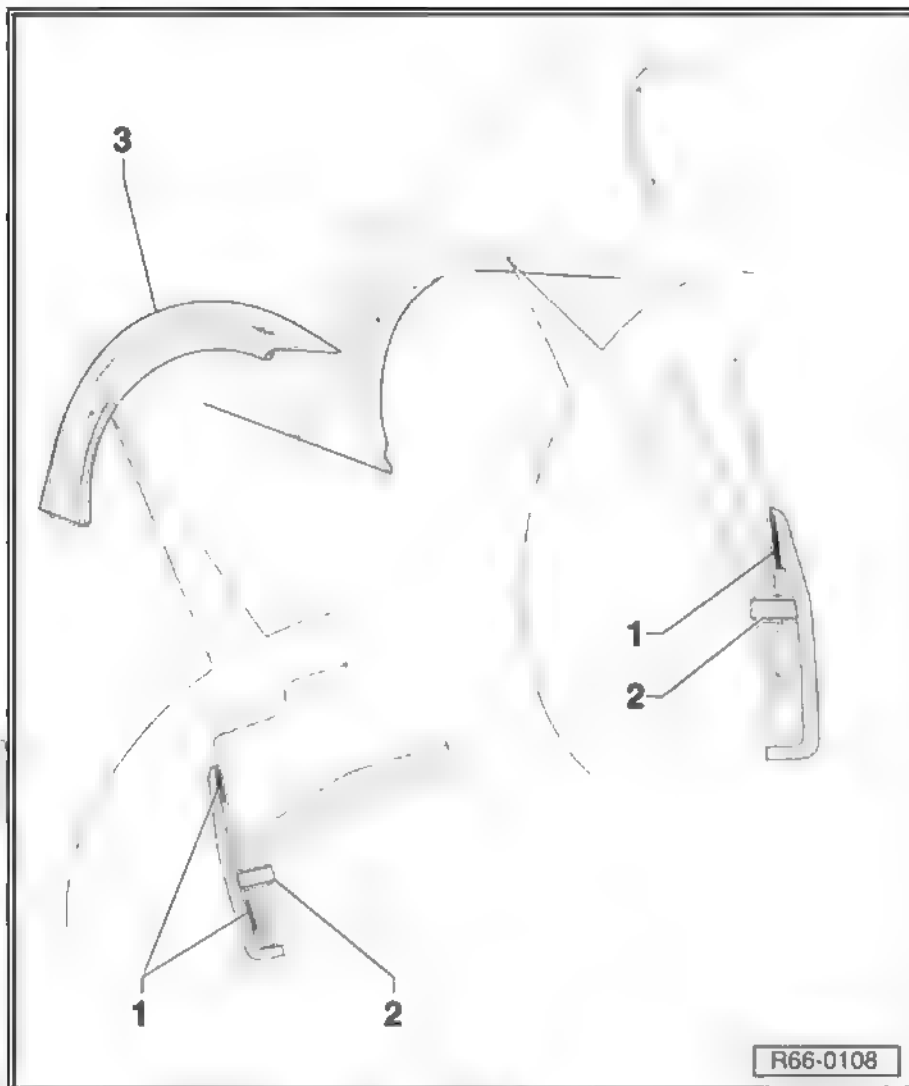
1 - Double-sided adhesive tape

- ☐ The adhesive tape adhesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched

2 - Guide pin

3 - Rear side panel trim

- ☐ Self-adherent
- ☐ Before removing, you must heat up the lining with the hot air blower - VAG 1416- .
- ☐ Clean the area using adhesive remover -D 002 000 10- , then apply the cleaning solution -D 009 401 04- .
- ☐ Remove the adhesive tape liner, position the trim. Operating temperature approx. 20°C.





5.3 Front wing trim - replace

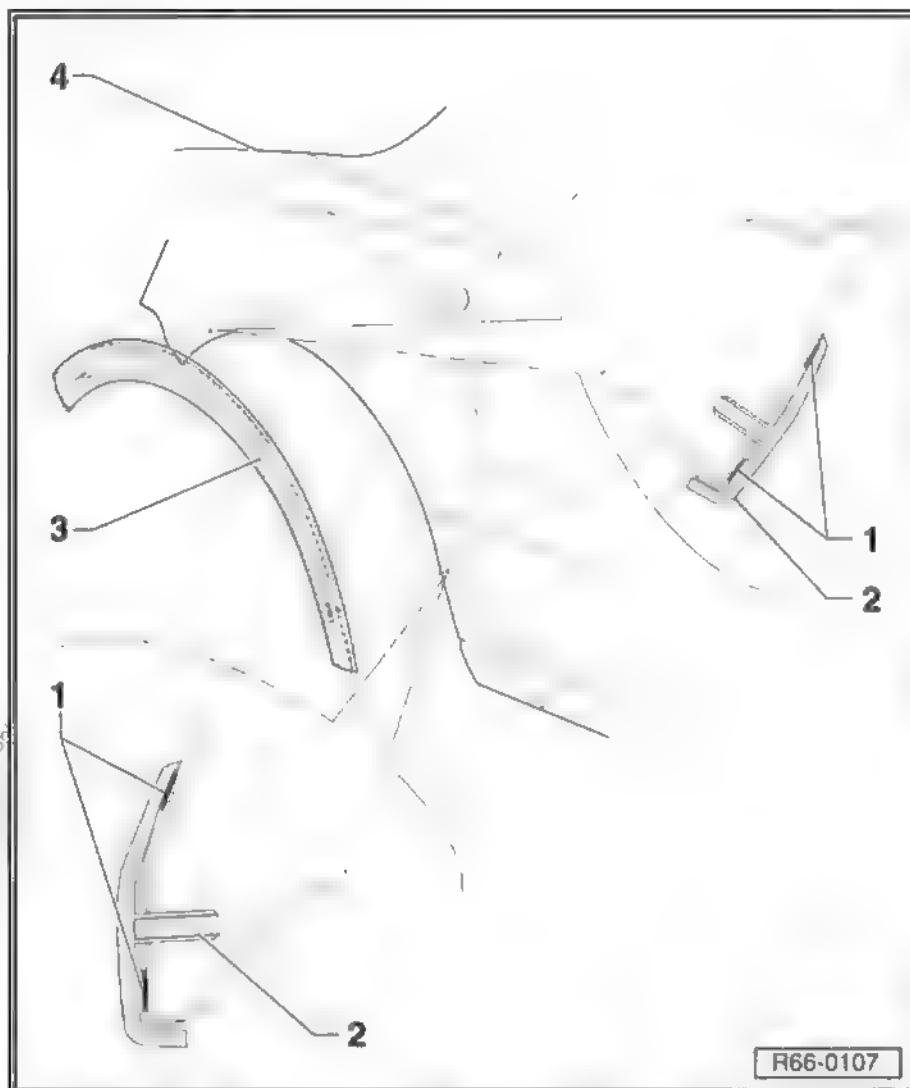
1 - Double-sided adhesive tape

- ☐ The adhesive tape adhesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched

2 - Guide pin

3 - Front wing trim

- ☐ Self-adherent
- ☐ Before removing, you must heat up the trim with the hot air blower - VAG 1416-.
- ☐ Clean the area using adhesive remover -D 002 000 10-, then apply the cleaning solution -D 009 401 04-.
- ☐ Remove the adhesive tape liner, position the trim. Operating temperature approx. 20°C.





5.4 Side footboard (CrossFox ; > 02.06) - general overview of assembly

1 - Riveted nut

- ☐ To install, use the POP NUT rivet nut applicator -VAG 1765B- or POP NUT rivet nut applicator -EQ 7422-

2 - Support

3 - Screw

- ☐ Torque: 5 Nm

4 - Screw

5 - Footboard support (front, central and rear)

6 - Screw

- ☐ Torque: 25 Nm

7 - Footboard support

8 - Side footboard

- ☐ side footboard and lining are removed together
- ☐ Remove and install
=> [page 241](#)

9 - Double-sided adhesive tape

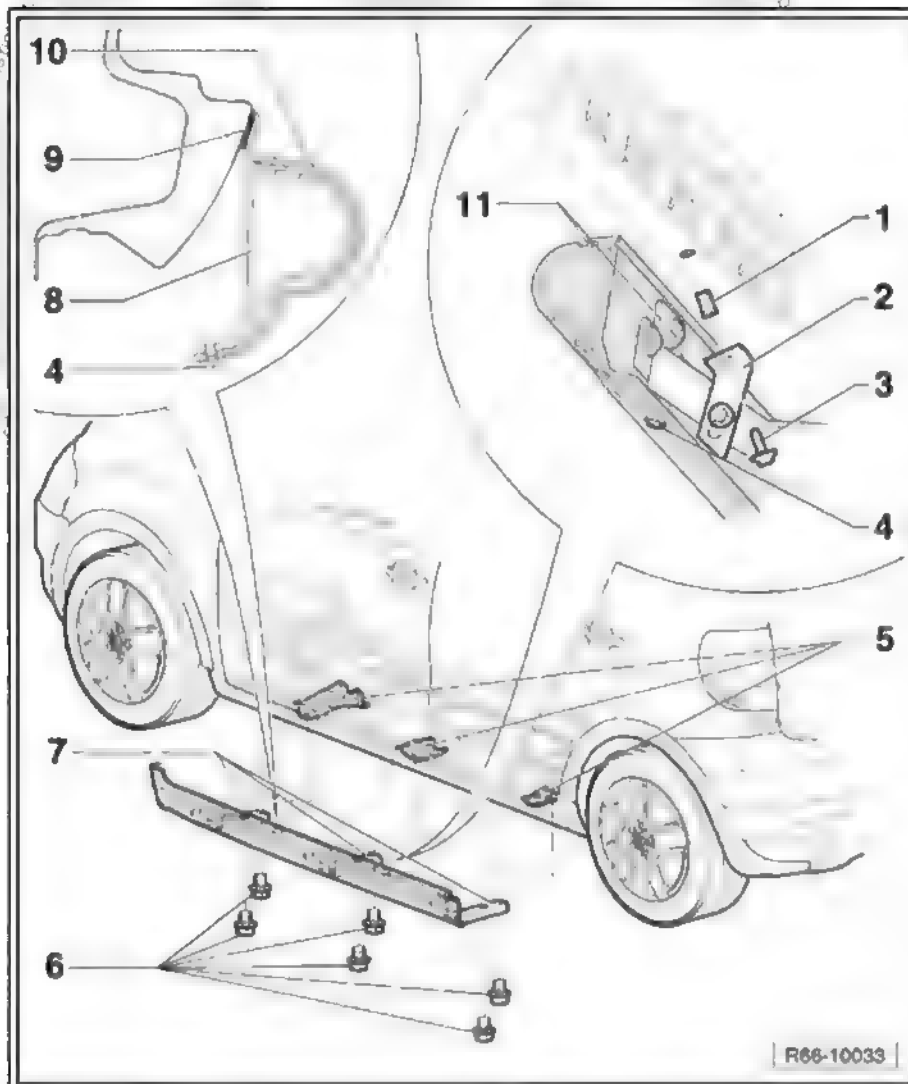
- ☐ The adhesive tape adhesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched.

10 - Footboard lining

- ☐ Self-adhesive and fastened by screws -4-.
- ☐ If footboard is removed, lining must be replaced.
- ☐ Before removing, you must heat up the lining with the hot air blower -VAG 1416-.
- ☐ Clean the area where lining shall be glued with adhesive remover -D 002 000 10-, then apply the cleaning solution -D 009 401 04-.
- ☐ Remove adhesive tape liner, place the footboard and lining set. Operating temperature approx. 20°C.

11 - Screw

- ☐ Torque: 10 Nm



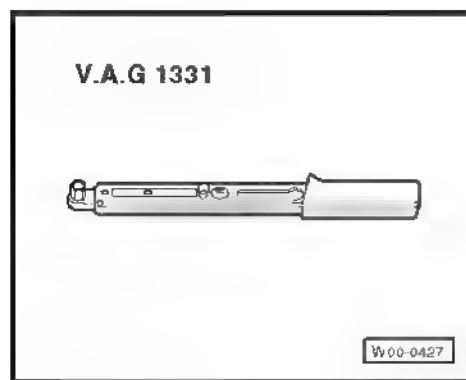
R66-10033

5.5 Side footboard (CrossFox ; > 02.06) - remove and install

Special tools and workshop equipment required

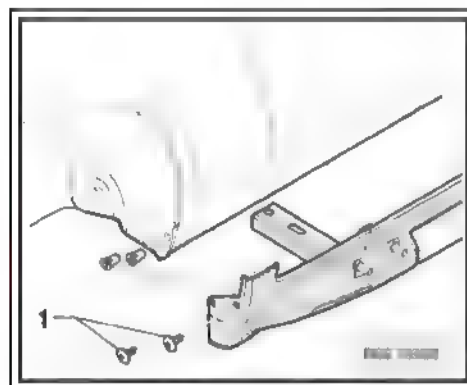


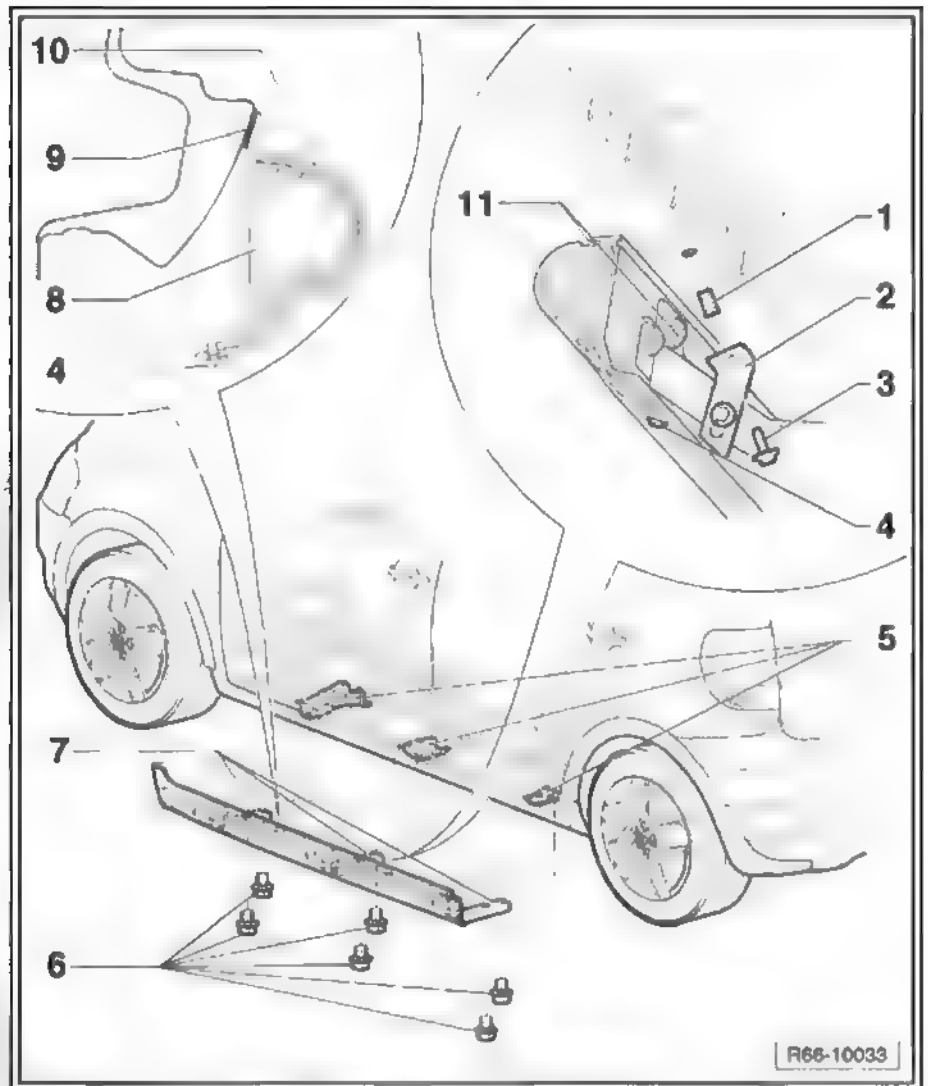
- ◆ "Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-



5.5.1 Remove

- Remove side footboard rear lining ⇒ [page 246](#) .
- Remove footboard lining fastening -1- screws.

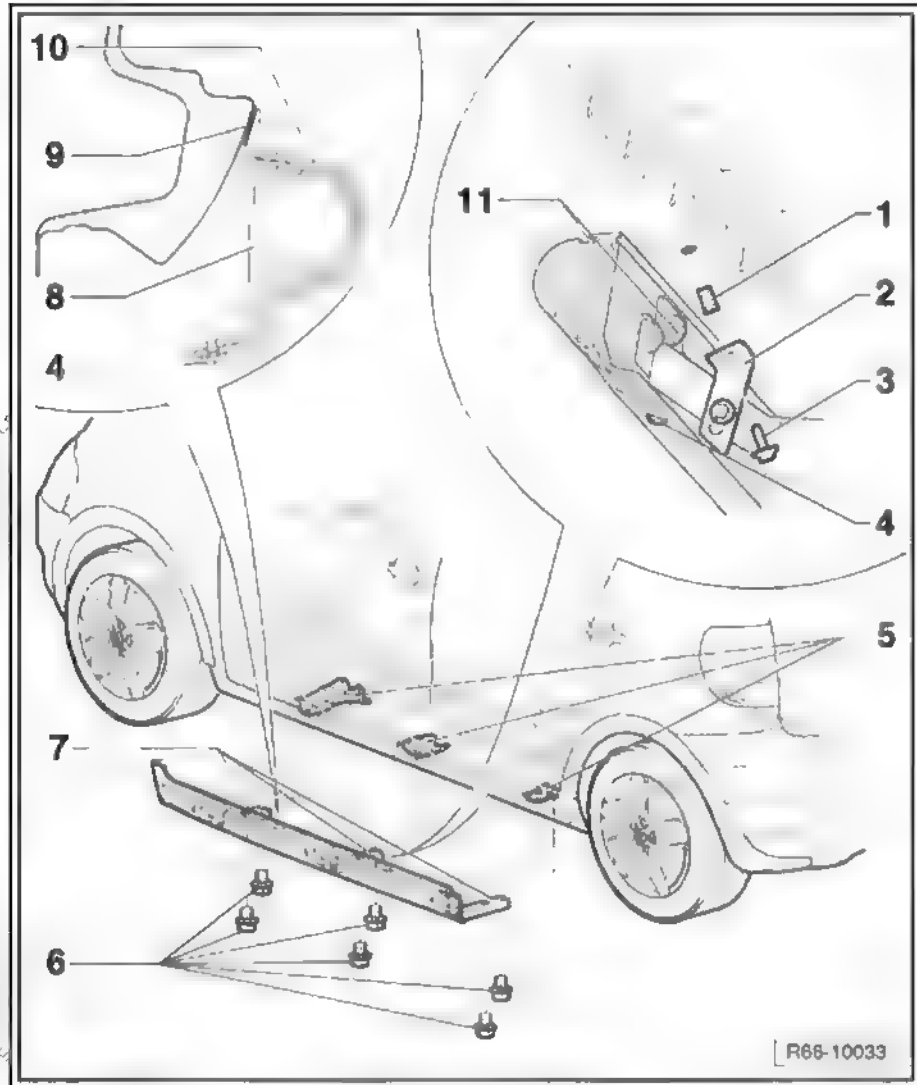




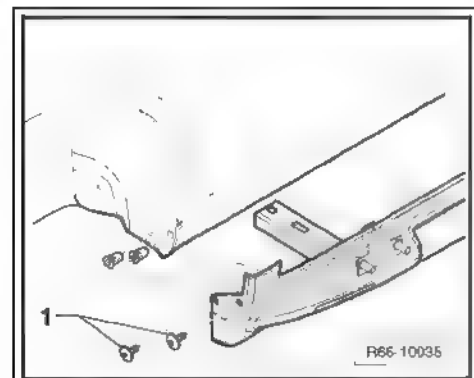
- Remove the screw -3-.
- Loosen the screws -6-.
- Heat footboard lining with the hot air blower -VAG 1416- and detach it from body.
- Remove screws -6- and remove the footboard.
- Remove screws -4- fastening footboard to lining.
- Remove footboard lining by disengaging it from footboard.

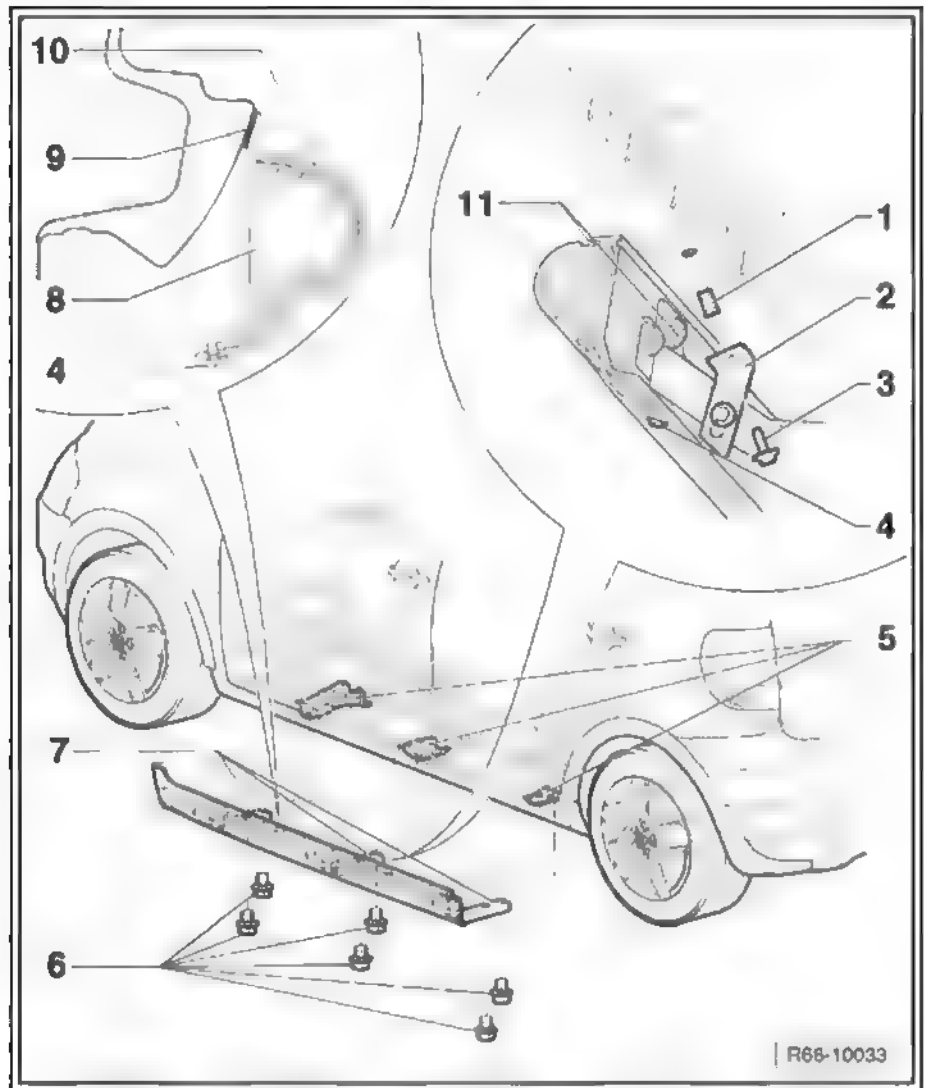
5.5.2 Install

- Clean the area where footboard lining shall be glued on body with adhesive remover -D 002 000 10- ,then apply cleaning solution -D 009 401 04- .



- Install footboard lining and fasten it with screw -4-.
- Remove adhesive tape liner -9- from footboard lining.
- Place footboard and install screws -6- without tightening them.
- Heat footboard lining with the hot air blower -VAG 1416- and glue it to body.
- Press lining against body with pressure roll -3356- . Operating temperature approx. 20°C
- Install side footboard rear lining.
- Install footboard lining fastening -1- screws





- Tighten the screws -6-.



5.6 Side footboard rear lining (CrossFox ; ➤ 02.06) - general overview of assembly

1 - Riveted nut

- ❑ To install, use the riveted nut applicator POP NUT -VAG 1765B- or riveted nut applicator POP NUT -EQ 7422-

2 - Lining support

3 - Screw

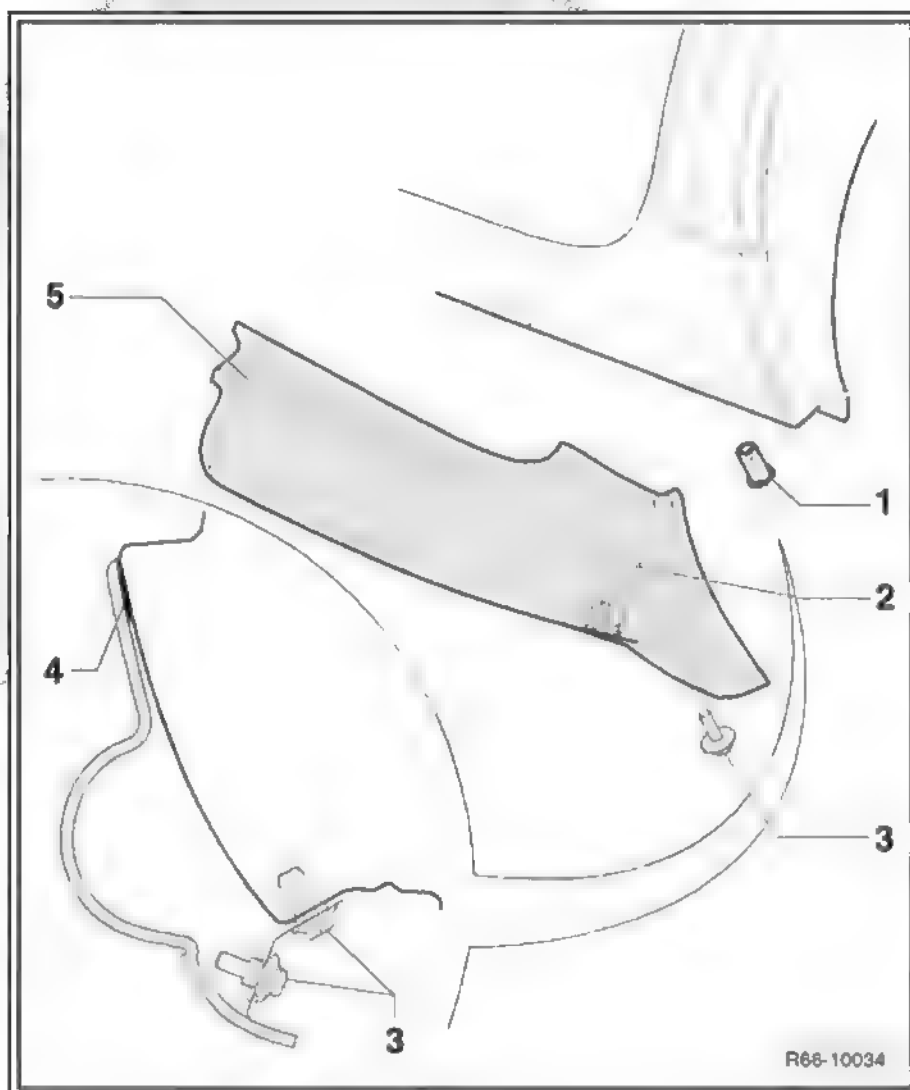
- ❑ Torque: 5 Nm

4 - Double-sided adhesive tape

- ❑ The adhesive tape adhesion area must be completely free of dirt.
- ❑ Under no circumstances should the self-adhesive surface of the tape be touched.

5 - Side footboard rear lining

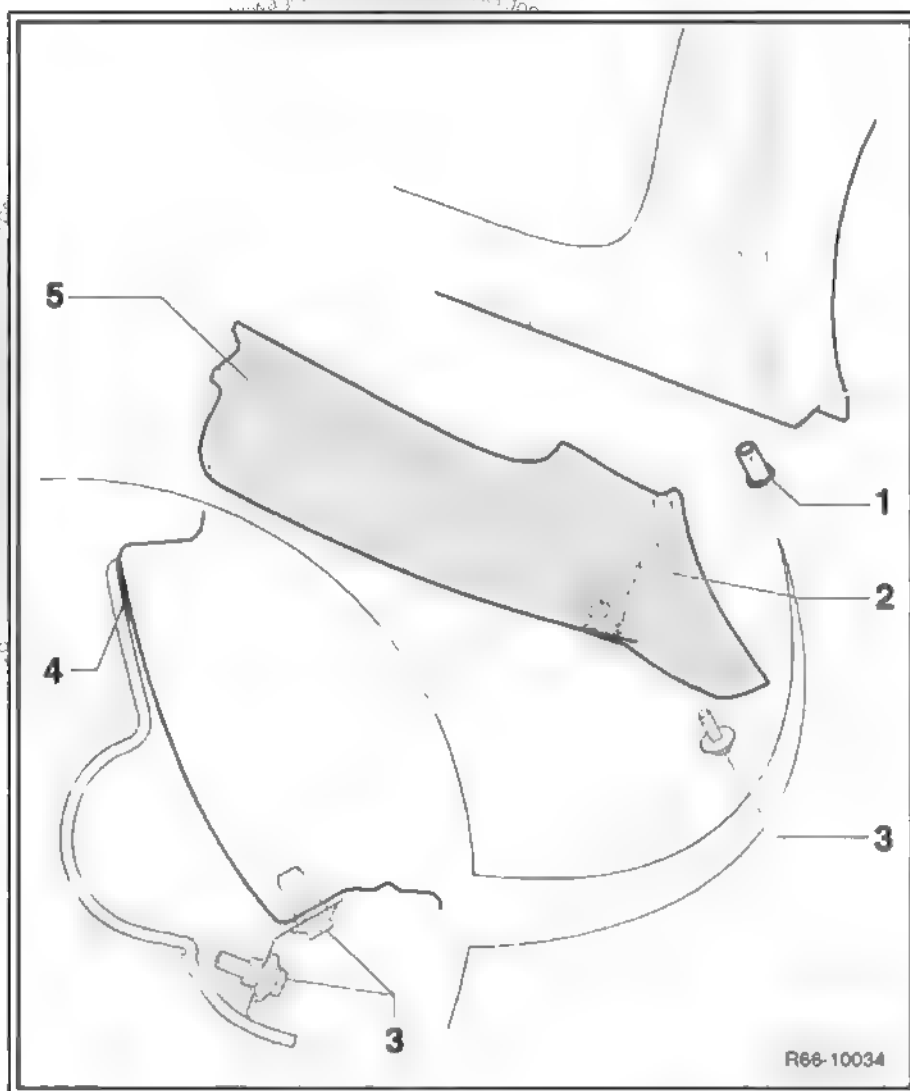
- ❑ Self-adhesive and fastened by screws.
- ❑ Before removing, you must heat up the lining with the hot air blower - VAG 1416- .
- ❑ Clean the area where lining shall be glued on body with adhesive remover -D 002 000 10- and then apply cleaning solution -D 009 401 04- .
- ❑ Operating temperature approx. 20°C.
- ❑ Remove and install
⇒ [page 247](#)





5.7 Side footboard rear lining (CrossFox; > 02.06) - replace

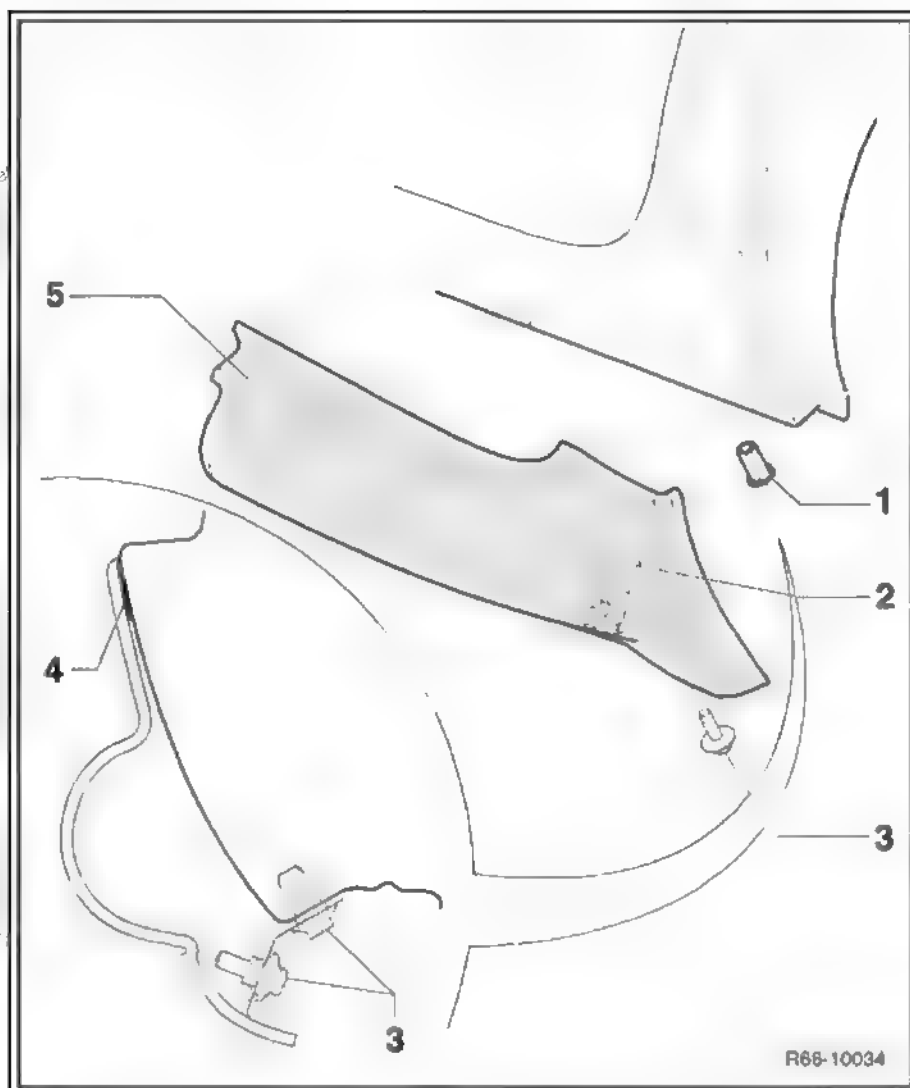
5.7.1 Remove



- Remove the screw -3-.
- Heat lining with the hot air blower -VAG 1416-.
- Detach lining and remove it.

5.7.2 Install

- Clean the area where lining shall be glued on body with adhesive remover -D 002 000 10- and then apply cleaning solution -D 009 401 04-.



- Remove adhesive tape liner -4- .
- Place lining on body.
- Heat lining with the hot air blower -VAG 1416- .
- Glue lining to body and press it with pressure roll -3356- .
- Install screw -3-.



5.8 Side footboard (03.06 ➤) - general overview of assembly

1 - Side footboard

- ☐ side footboard and lining are removed together
- ☐ Remove and install
⇒ [page 250](#)

2 - Riveted nut

- ☐ To install, use the POP NUT rivet nut applicator -VAG 1765B- or POP NUT rivet nut applicator -EQ 7422-

3 - Side footboard upper lining

- ☐ Before removing, you must heat up the lining with the hot air blower -VAG 1416-.
- ☐ Clean the area where lining shall be glued with adhesive remover -D 002 000 10-, then apply the cleaning solution -D 009 401 04-.
- ☐ Operating temperature approx. 20°C.

4 - Nut

- ☐ Torque: 6 Nm

5 - Screw

6 - Stud

7 - Double-sided adhesive tape

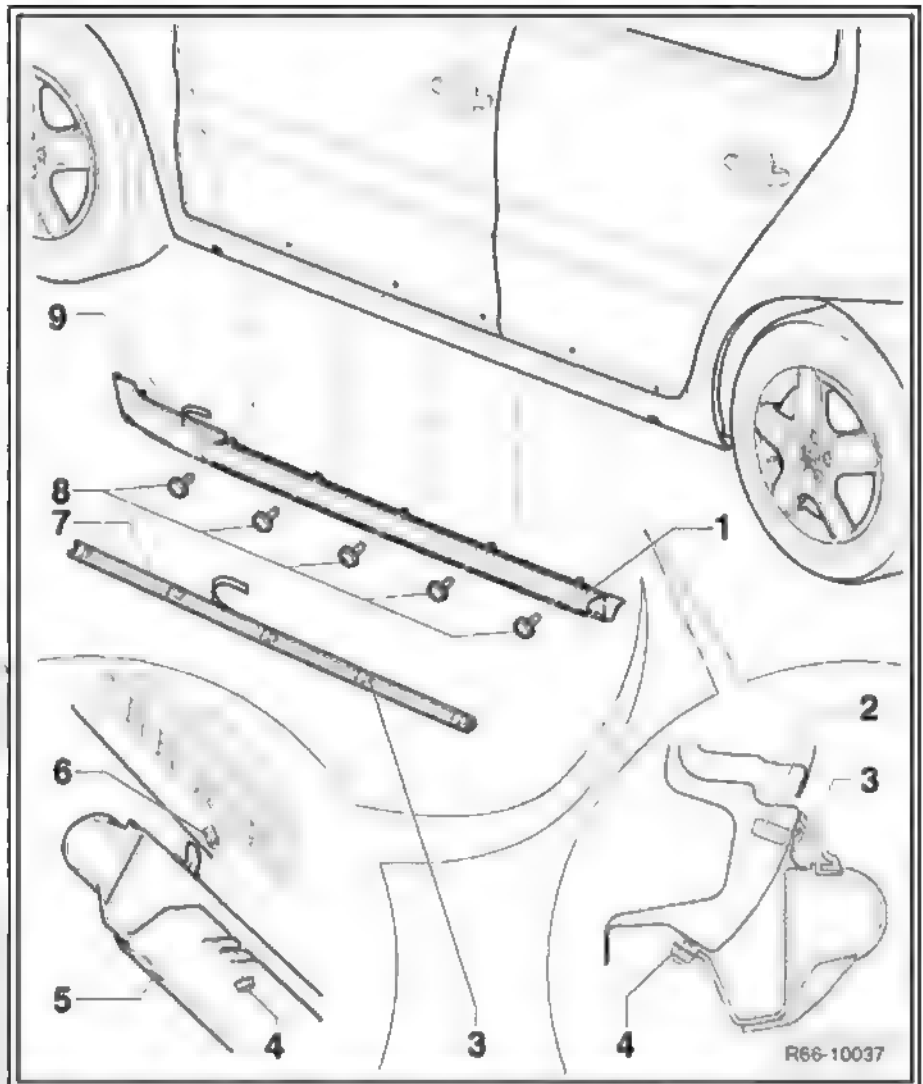
- ☐ The adhesive tape adhesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched.

8 - Screw

- ☐ Torque: 6 Nm

9 - Footboard lining

- ☐ Self-adhesive and fastened by screws -4-.
- ☐ If footboard is removed, lining must be replaced.
- ☐ Before removing, you must heat up the lining with the hot air blower -VAG 1416-.
- ☐ Clean the area where lining shall be glued with adhesive remover -D 002 000 10-, then apply the cleaning solution -D 009 401 04-.
- ☐ Operating temperature approx. 20°C.





5.9 Side footboard (03.06 ➤) - general overview of assembly - continued

1 - Riveted nut

- ❑ To install, use the POP NUT rivet nut applicator -VAG 1765B- or POP NUT rivet nut applicator -EQ 7422-

2 - Screw

- ❑ Torque: 6 Nm

3 - Lock pin

4 - Footboard lining

- ❑ Self-adhesive and fastened by screws -4-.
- ❑ If footboard is removed, lining must be replaced.
- ❑ Before removing, you must heat up the lining with the hot air blower -VAG 1416-.
- ❑ Clean the area where lining shall be glued with adhesive remover -D 002 000 10-, then apply the cleaning solution -D 009 401 04-.
- ❑ Operating temperature approx. 20°C.

5 - Screw

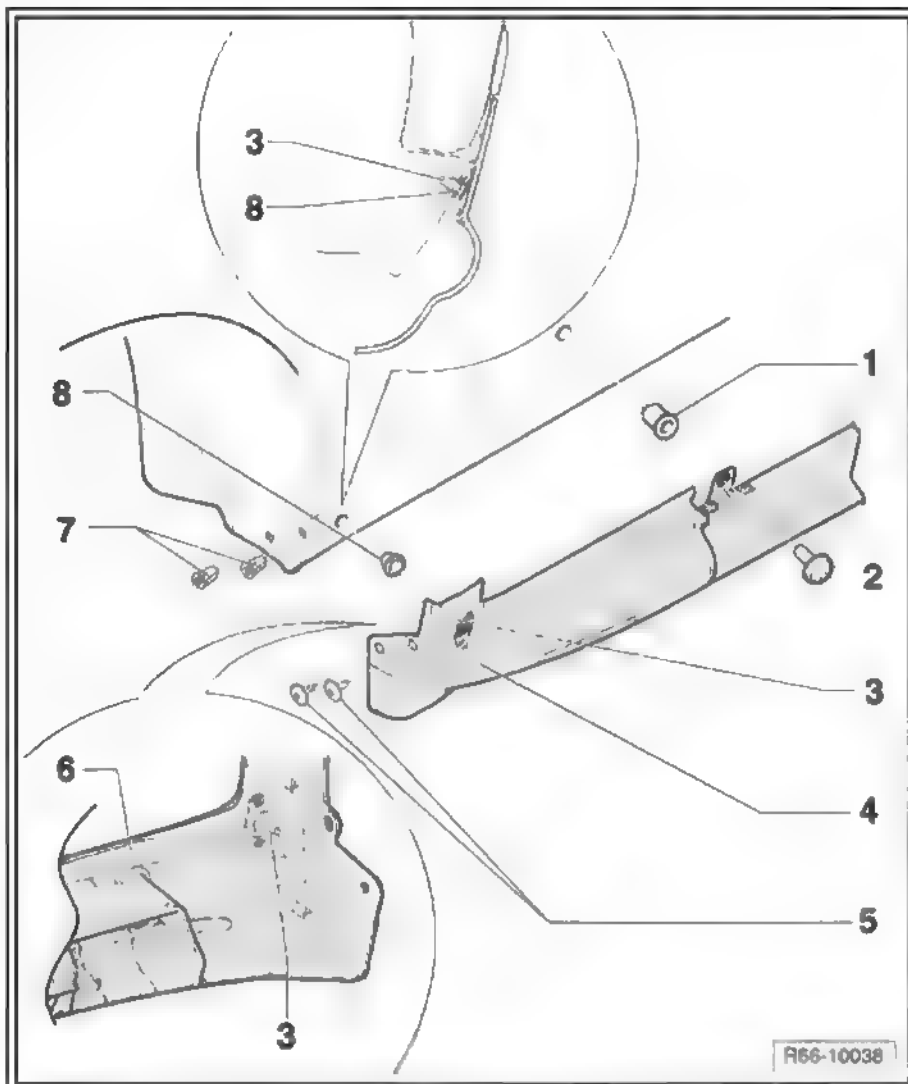
- ❑ Torque: 1.5 Nm

6 - Double-sided adhesive tape

- ❑ The adhesive tape adhesion area must be completely free of dirt.
- ❑ Under no circumstances should the self-adhesive surface of the tape be touched.

7 - Bushing

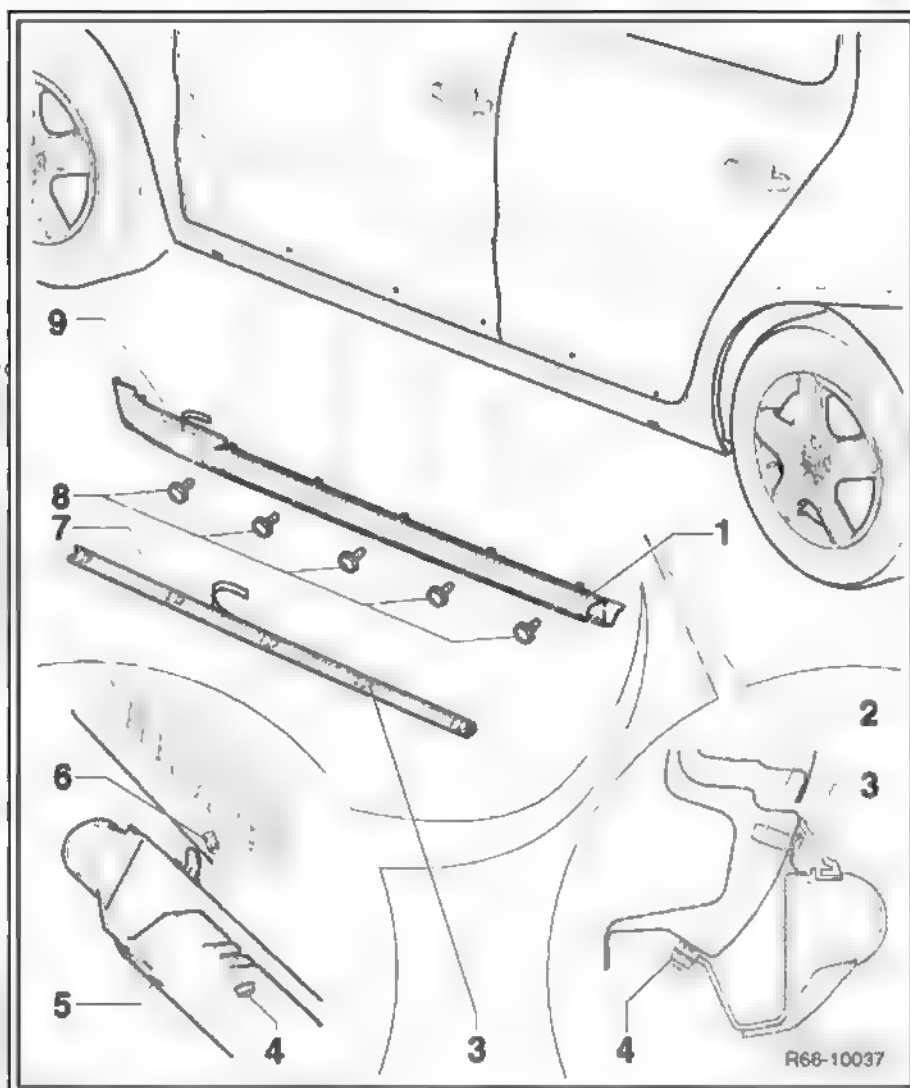
8 - Pressure clamp



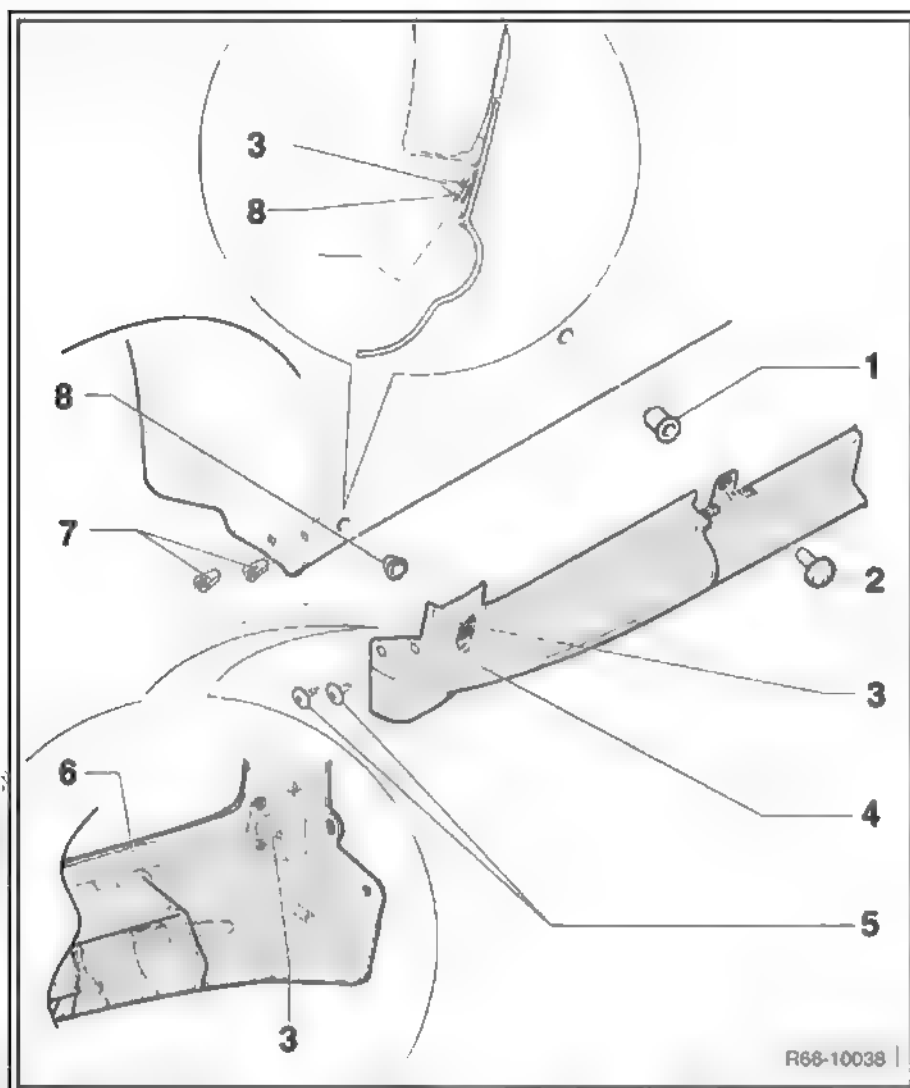
5.10 Side footboard (03.06 ➤) - remove and install

5.10.1 Remove

- Remove footboard rear lining



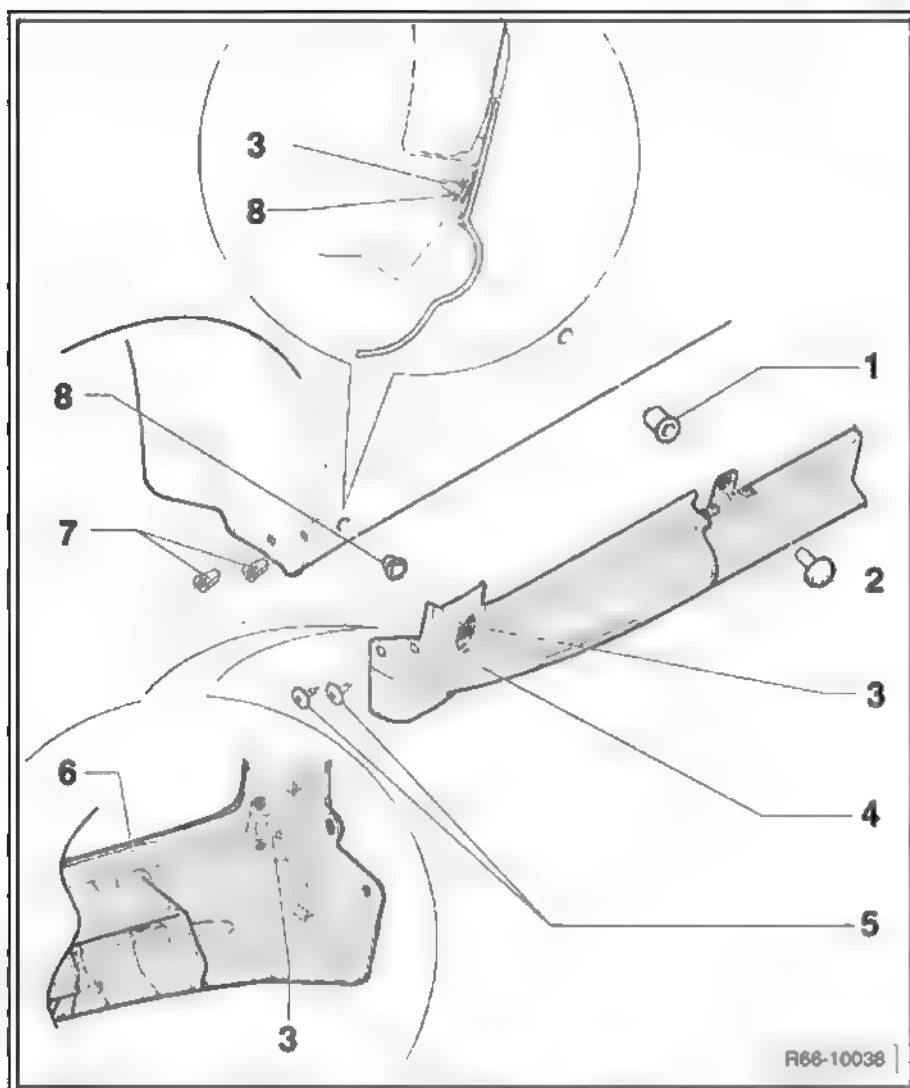
- Detach side footboard upper lining -3- by heating it up with the hot air blower -VAG 1416-.
- Remove nuts -4- and screws -8-. An assistant must keep the footboard suspended until its removal.



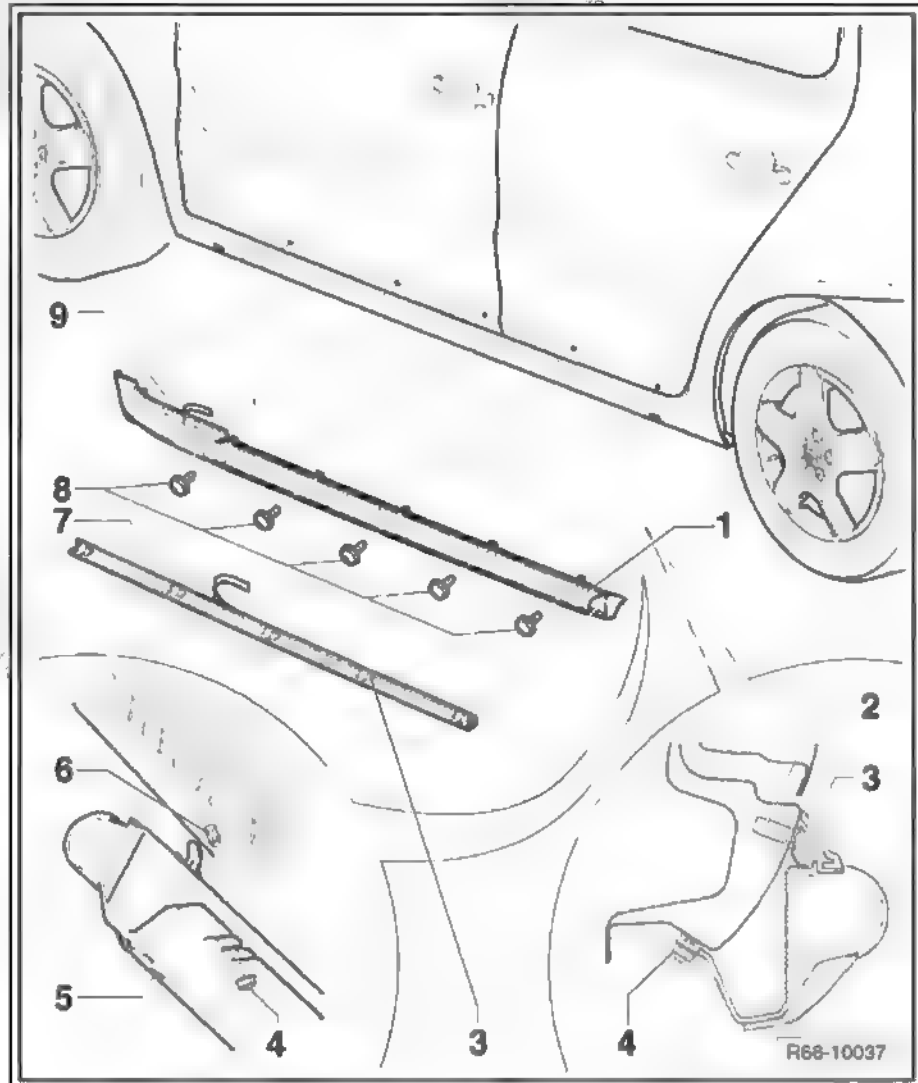
- Remove the screws -5-.
- Remove the screw -2-.
- Detach footboard lining -4- by heating it up with the hot air blower -VAG 1416-.

5.10.2 Install

- Clean the area where the footboard lining shall be glued on body with adhesive remover -D 002 000 10-, then apply cleaning solution -D 009 401 04-.



- Heat footboard lining -4- with the hot air blower -VAG 1416- .
- Position footboard and install screw -2-.
- Install the screws -5-.



- Install nuts -4- and screws -8-.
- Heat footboard upper lining -3- with the hot air blower -VAG 1416- .
- Press footboard upper lining against body with a pressure roll -3356- .
- Install footboard rear lining.



5.11 Side footboard rear lining (03.06 ➤) - general overview of assembly

1 - Side footboard rear lining

- ☐ Self-adhesive and fastened by screws
- ☐ Before removing, you must heat up the lining with the hot air blower - VAG 1416- .
- ☐ Clean the area where lining shall be glued on body with adhesive remover -D 002 000 10- and then apply cleaning solution -D 009 401 04- .
- ☐ Operating temperature approx. 20°C.

2 - Nut

- ☐ Torque: 6 Nm

3 - Double-sided adhesive tape

- ☐ The adhesive tape adhesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched.

4 - Screw

- ☐ Torque: 3 Nm

5 - Stud

6 - Nut

- ☐ Torque: 6 Nm

7 - Lining support

8 - Pressure clamp

9 - Lock pin

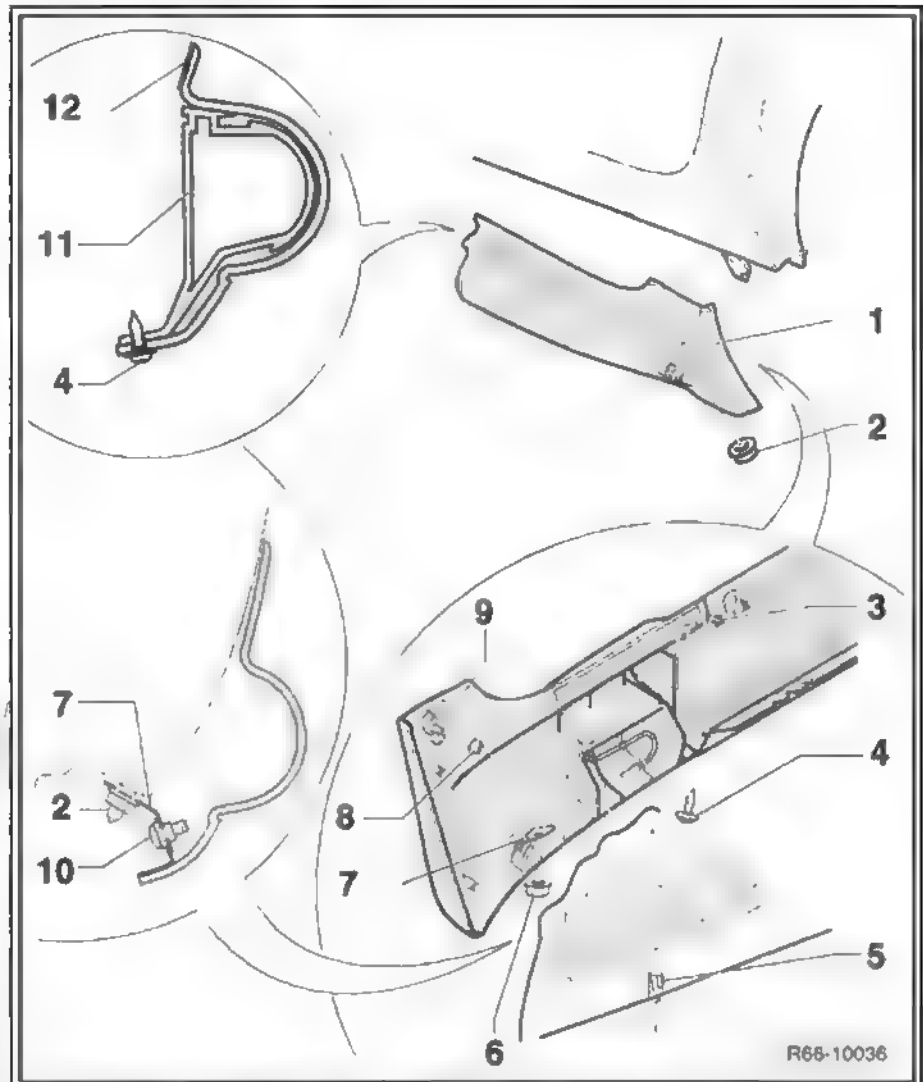
10 - Screw

- ☐ Torque: 5 Nm

11 - Side footboard

12 - Double-sided adhesive tape

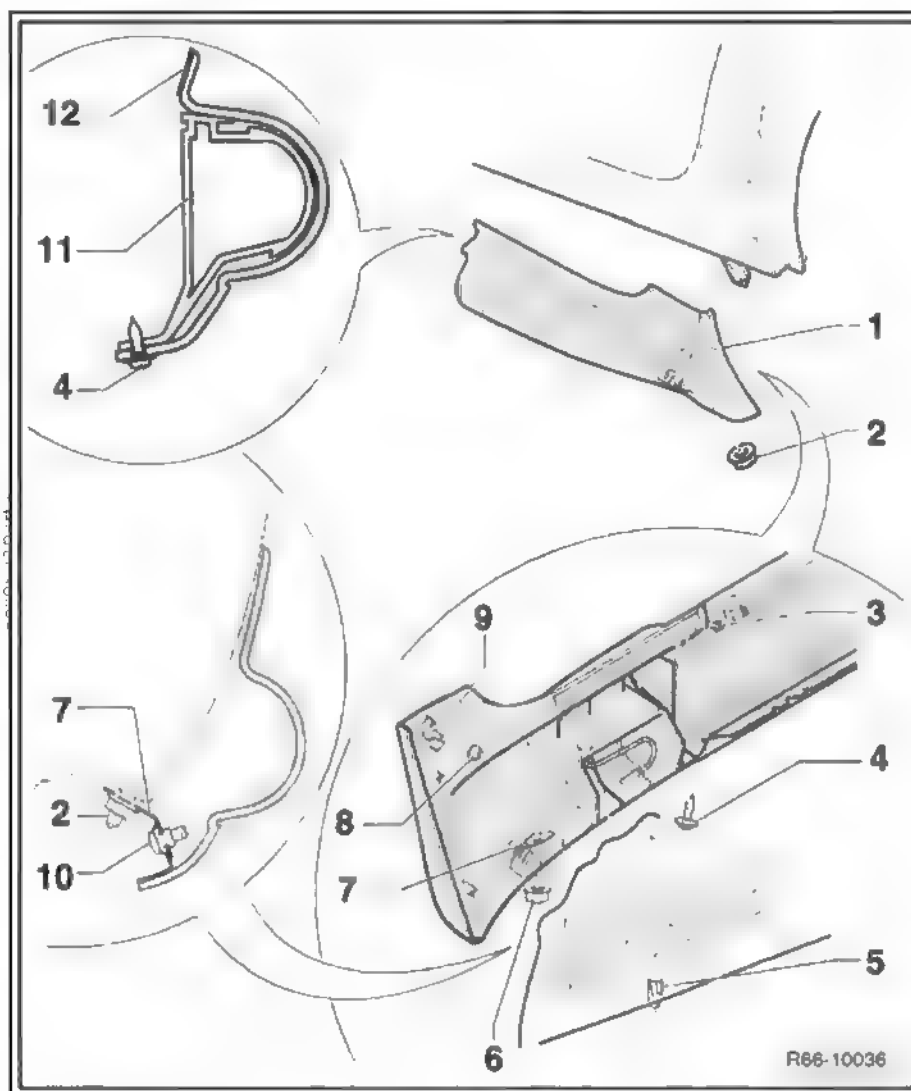
- ☐ The adhesive tape adhesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched.





5.12 Side footboard rear lining (03.06 ➤) - replace

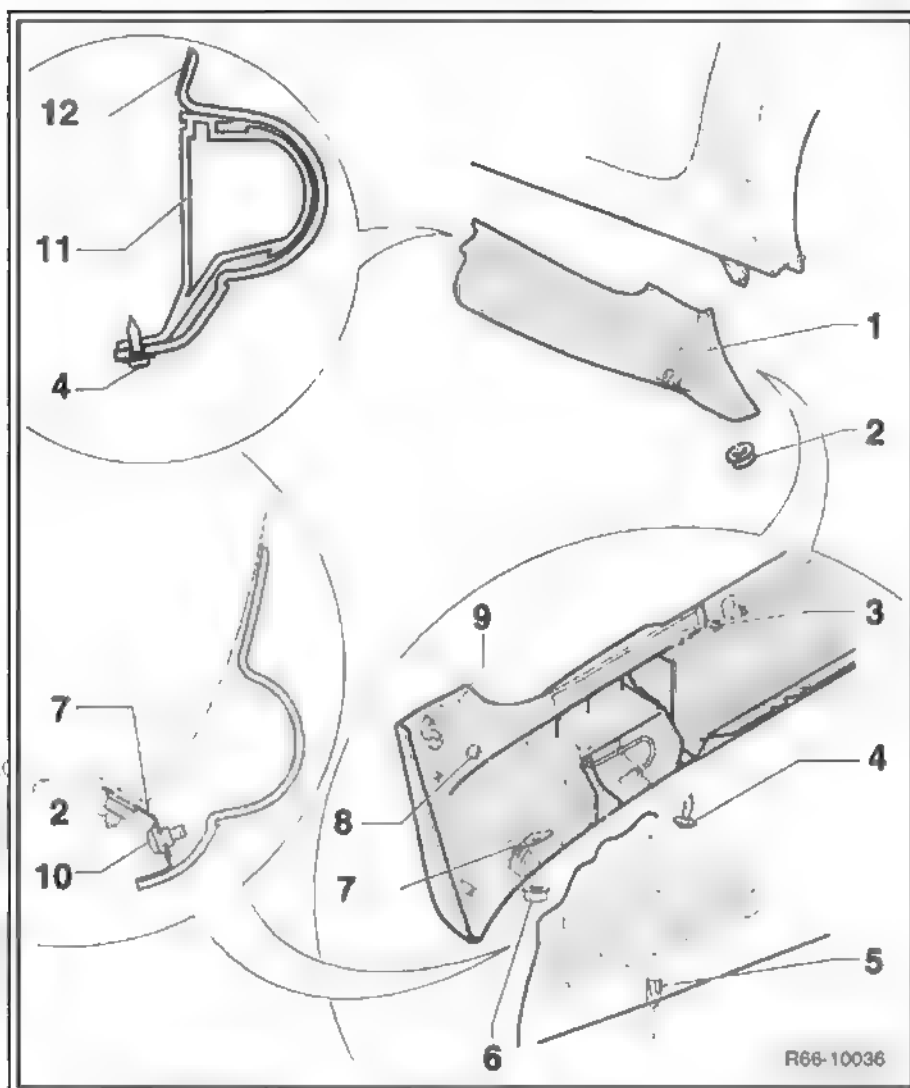
5.12.1 Remove



- Remove screw -4- and nut -6-.
- Detach side footboard rear lining -1- by heating it up with the hot air blower -VAG 1416- .

5.12.2 Install

- Clean the area where footboard rear lining shall be glued on body with adhesive remover -D 002 000 10- and then apply the cleaning solution -D 009 401 04- .



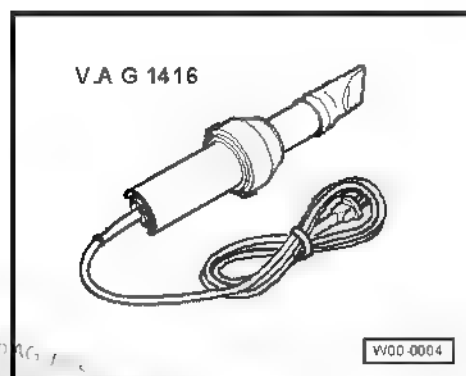
- Heat up the footboard rear lining -1- with the hot air blower - VAG 1416- .
- Place rear lining and install screw -4- and nut -6-.
- Press footboard rear lining against body with a pressure roll -3356- .



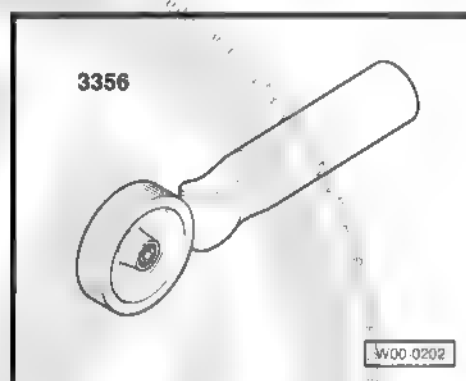
6 Side footboard (New CrossFox)

Special tools and workshop equipment required

- ◆ Hot air blower -VAG 1416-



- ◆ Pressure roll -3356-



6.1 Rear side panel trim - replace



1 - Rear side panel trim

- ☐ Self-adherent
- ☐ Before removing, you must heat up the lining with the hot air blower - VAG 1416 -
- ☐ Clean the area using adhesive remover -D 002 000 10- , then apply the cleaning solution -D 009 401 04-
- ☐ Remove the adhesive tape liner, position the trim. Operating temperature approx. 20°C.

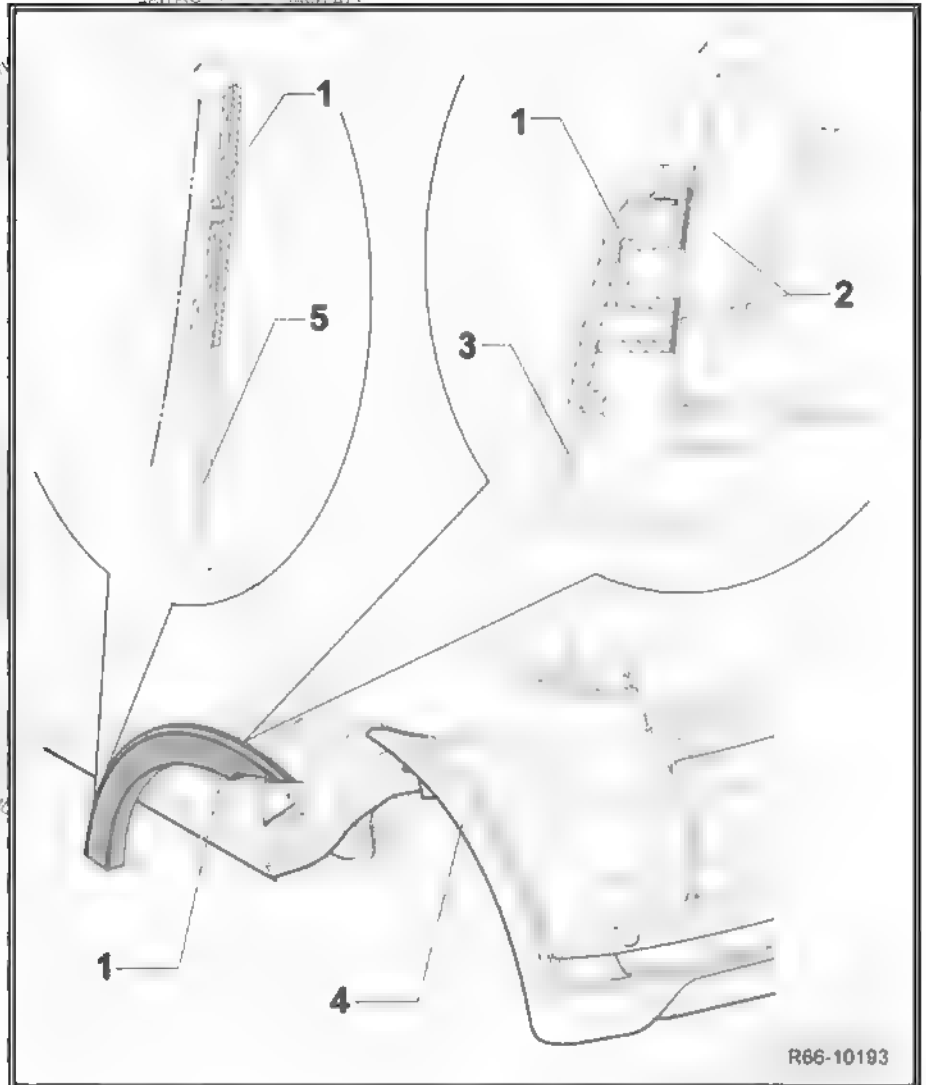
2 - Double-sided adhesive tape

- ☐ The adhesive tape adhesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched.

3 - Bumper rear protector

4 - Remove bumper rear protector

5 - Side footboard rear lining



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6.2 Front wing trim - replace

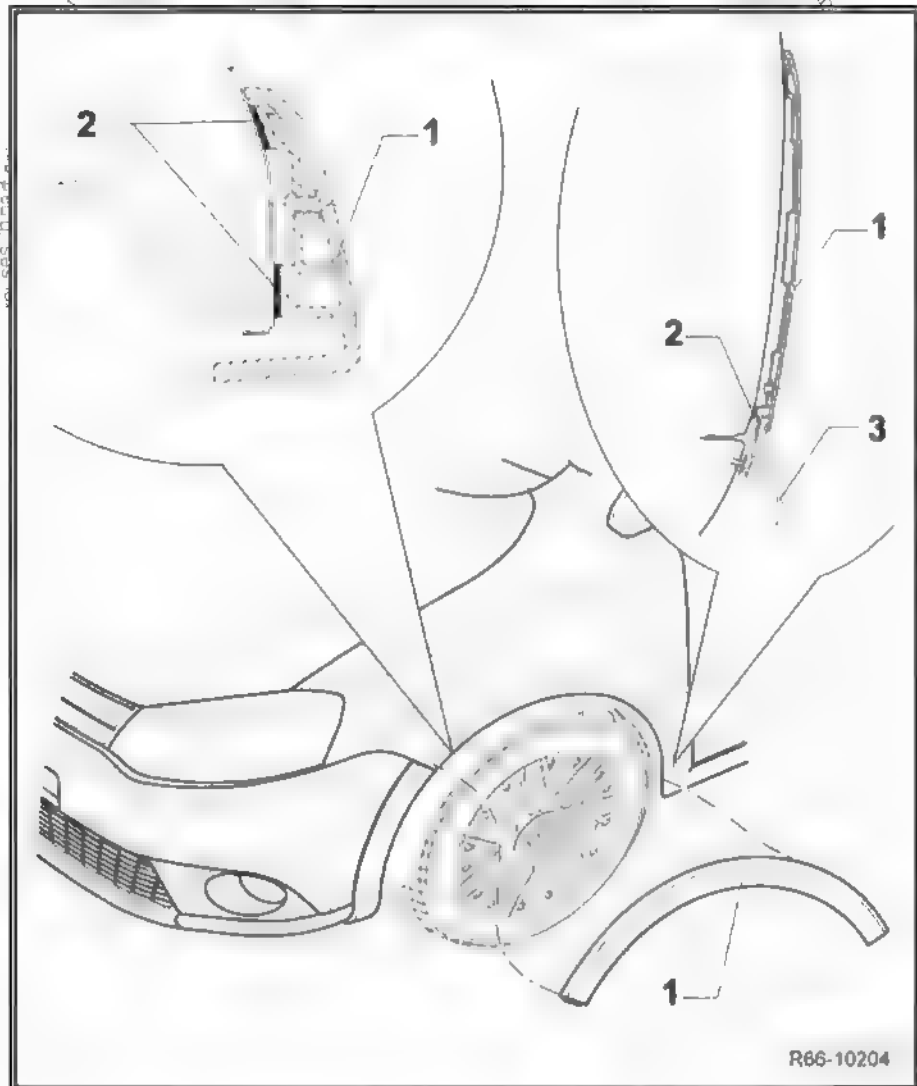
1 - Front wing trim

- ☐ Self-adherent
- ☐ Before removing, you must heat up the trim with the hot air blower - VAG 1416- .
- ☐ Clean the area using adhesive remover -D 002 000 10- , then apply the cleaning solution -D 009 401 04- .
- ☐ Remove the adhesive tape liner, position the trim. Operating temperature approx. 20°C.

2 - Double-sided adhesive tape

- ☐ The adhesive tape adhesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched.

3 - Side footboard (lining)





6.3 Side footboard (New CrossFox) - assembly overview

1 - Side footboard

- ☐ side footboard and lining are removed together
- ☐ Remove and install
⇒ [page 262](#)

2 - Screw

- ☐ Torque: 6 Nm

3 - Riveted nut

- ☐ To install, use the POP NUT rivet nut applicator -VAG 1765B- or POP NUT rivet nut applicator -EQ 7422-

4 - Nut

- ☐ Torque: 6 Nm

5 - Screw

6 - Double-sided adhesive tape

- ☐ The adhesive tape adhesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched.

7 - Bushing

8 - Fastening pin

9 - Front wing trim

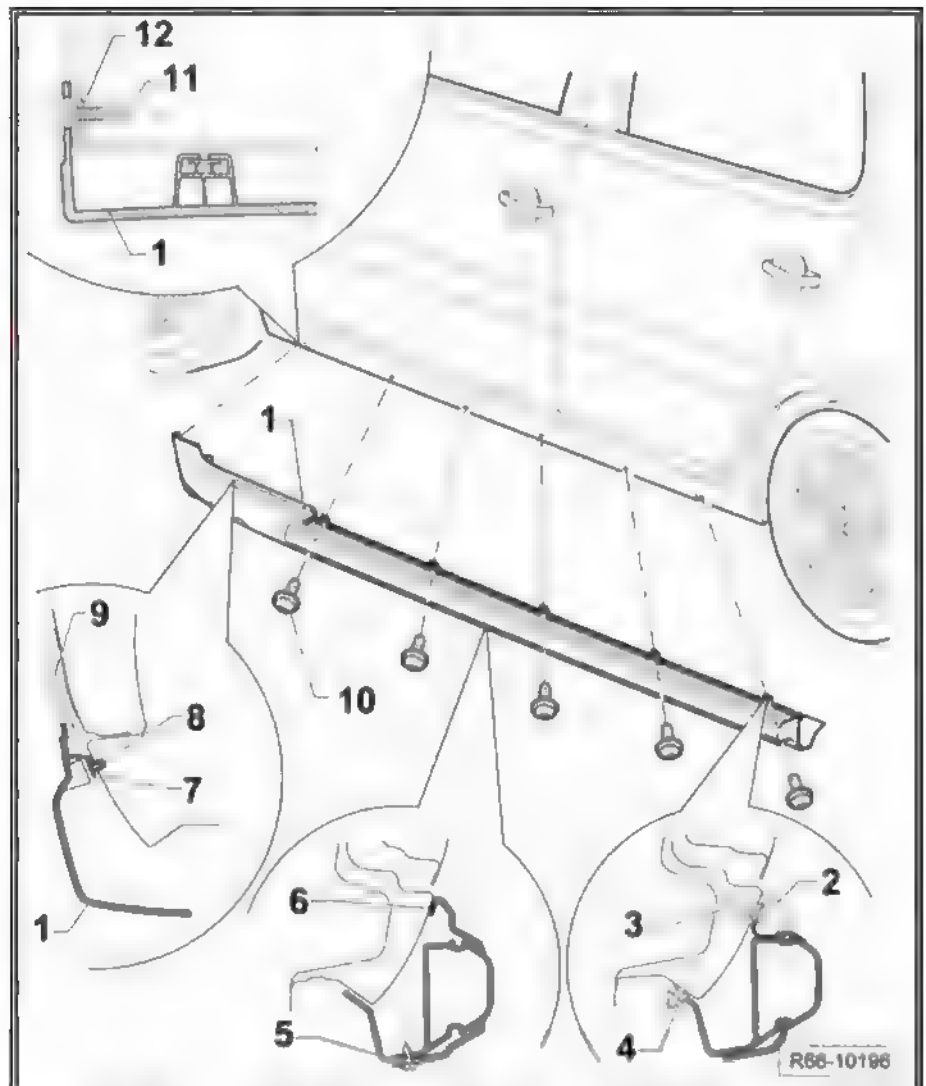
10 - Screw

- ☐ Torque: 6 Nm

11 - Bushing

12 - Screw

- ☐ Torque: 1.5 Nm





6.4 Side footboard (New CrossFox) - assembly overview - continued

1 - Riveted nut

- ☐ To install, use the POP NUT rivet nut applicator -VAG 1765B- or POP NUT rivet nut applicator -EQ 7422-

2 - Screw

- ☐ Torque: 6 Nm

3 - Lock pin

4 - Footboard lining

- ☐ Self-adhesive and fastened by screws -4-.
- ☐ If footboard is removed, lining must be replaced.
- ☐ Before removing, you must heat up the lining with the hot air blower -VAG 1416-.
- ☐ Clean the area where lining shall be glued with adhesive remover -D 002 000 10-, then apply the cleaning solution -D 009 401 04-.
- ☐ Operating temperature approx. 20°C.

5 - Screw

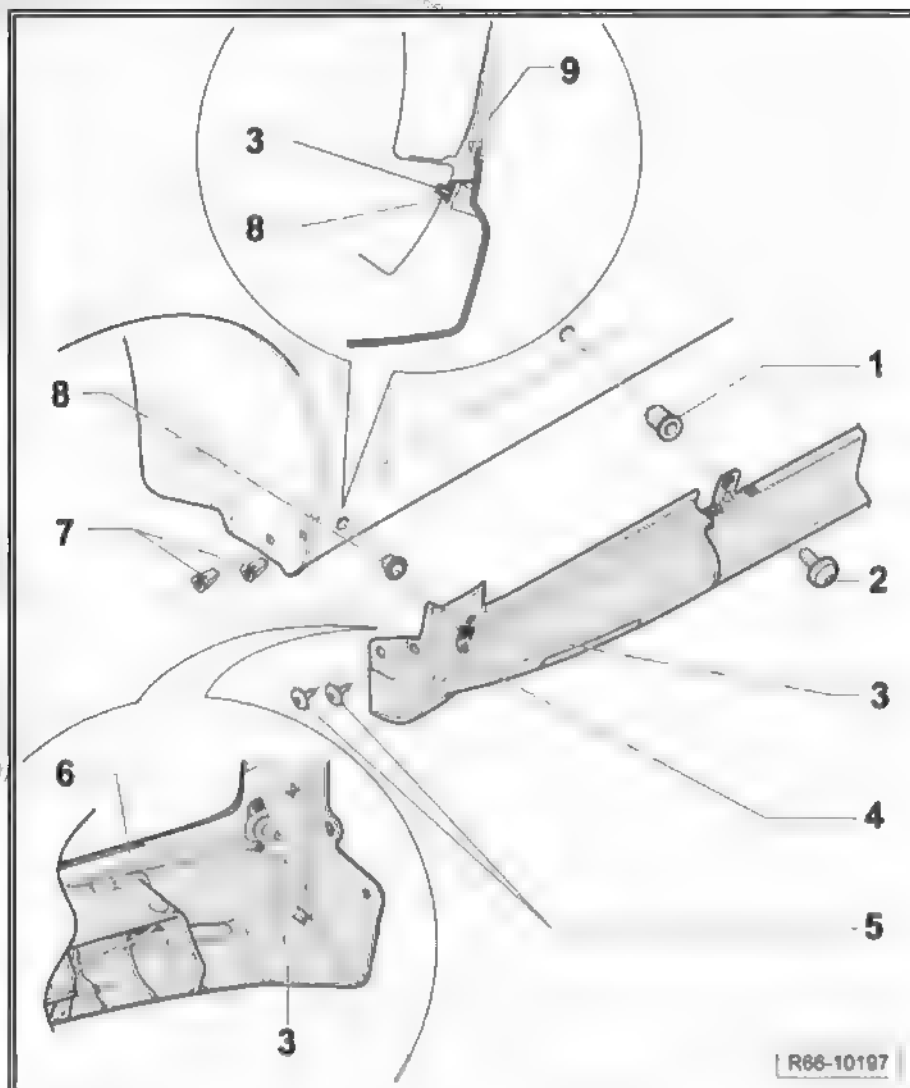
- ☐ Torque: 1.5 Nm

6 - Double-sided adhesive tape

- ☐ The adhesive tape adhesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched.

7 - Bushing

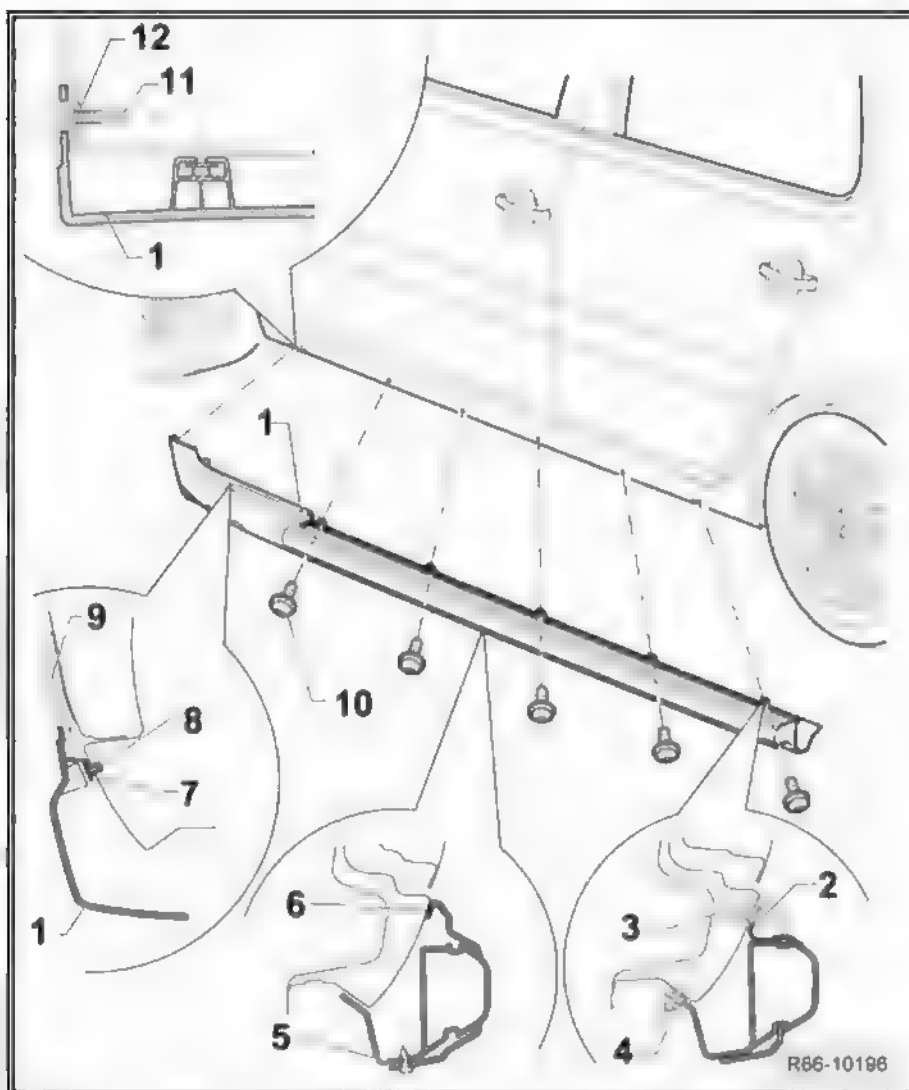
8 - Bushing



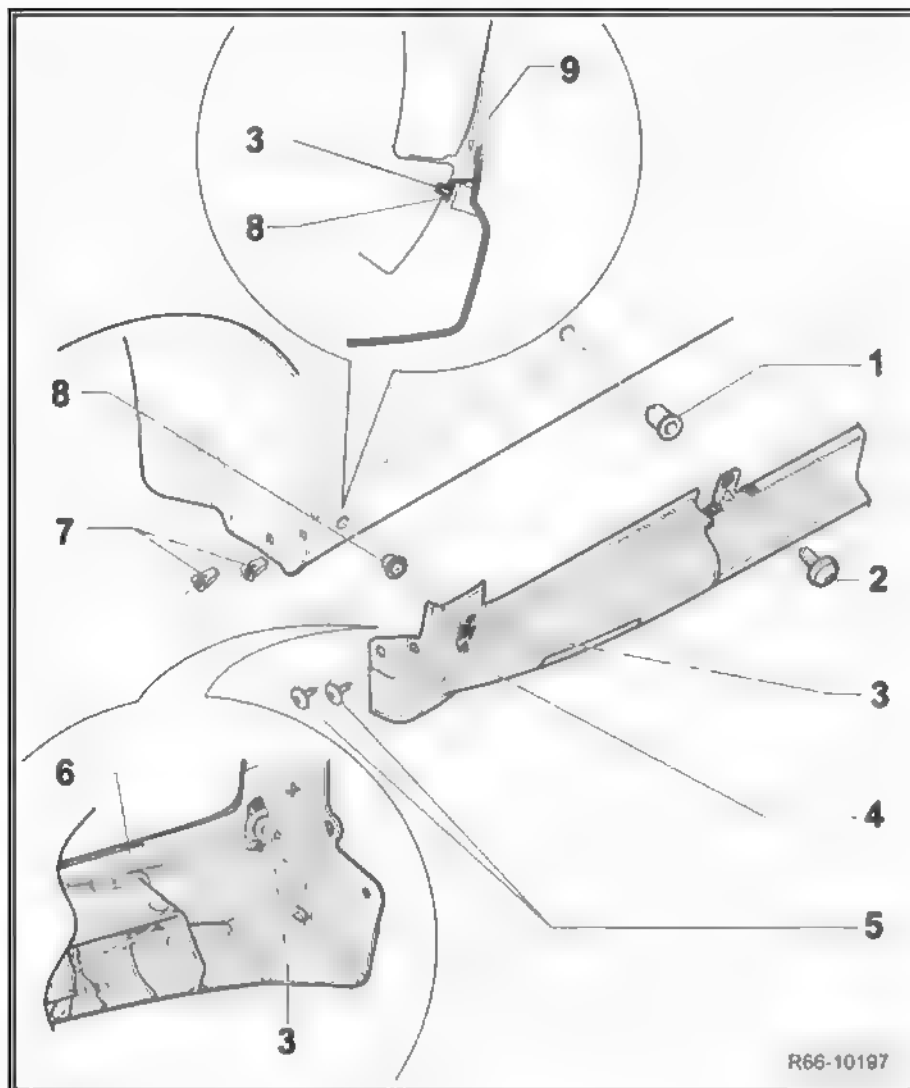
6.5 Side footboard (New CrossFox) - replace

6.5.1 Remove

- Remove footboard rear lining ➔ [page 268](#) .



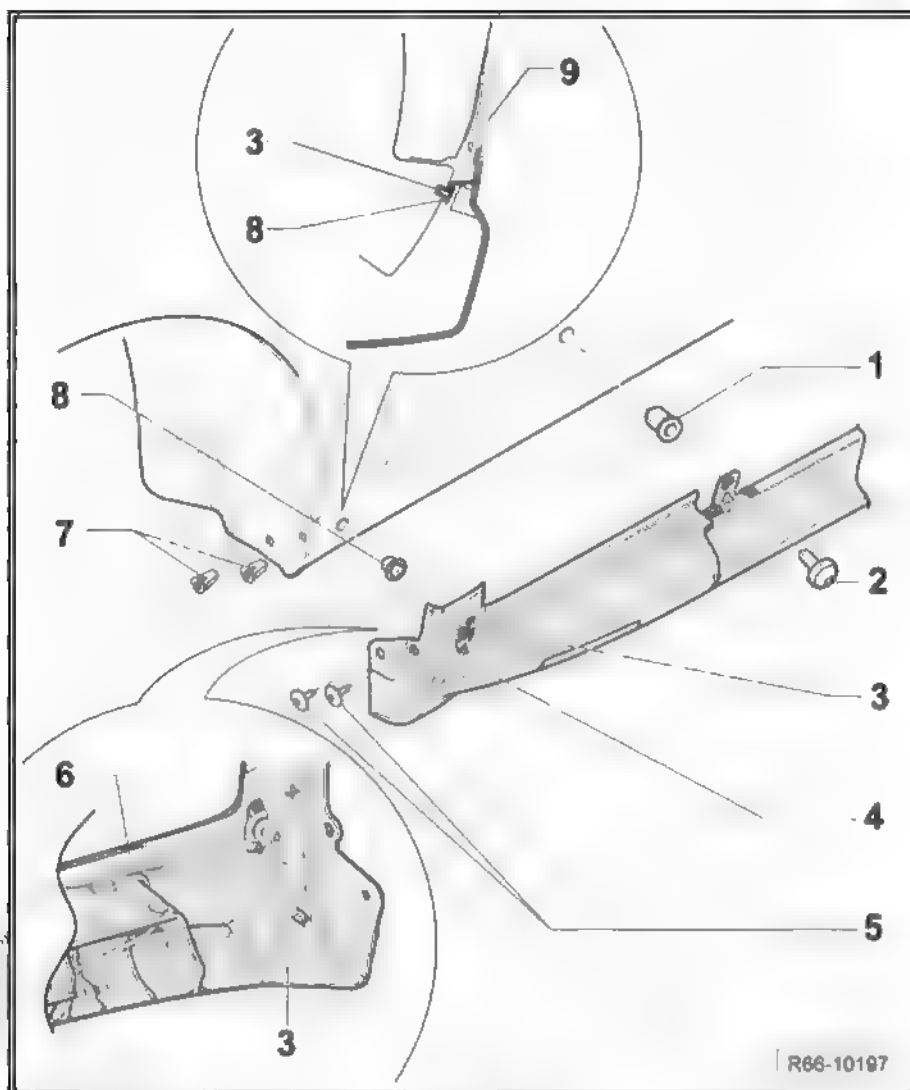
- Remove side footboard upper lining ➤ [page 269](#) .
- Remove nuts -4- and screws -10-. An assistant must keep the footboard suspended until its removal.



- Remove the screws -5-.
- Remove the screw -2-.
- Detach footboard lining -4- by heating it up with the hot air blower -VAG 1416- .

6.5.2 Install

- Clean the area where the footboard lining shall be glued on body with adhesive remover -D 002 000 10- , then apply cleaning solution -D 009 401 04- .



- Heat footboard lining -4- with the hot air blower -VAG 1416- .
- Position footboard and install screw -2-.
- Install the screws -5-.



- Install nuts -4- and screws -8-.
- Heat footboard upper lining -3- with the hot air blower -VAG 1416- .
- Press footboard upper lining against body with a pressure roll -3356- .
- Install footboard rear lining ⇒ **page 267** .



6.6 Side footboard rear lining (New CrossFox) - assembly overview

1 - Side footboard rear lining

- ☐ Replace ➤ [page 268](#)

2 - Nut

- ☐ Torque: 6 Nm

3 - Double-sided adhesive tape

- ☐ The adhesive tape adhesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched.

4 - Fastening clip

5 - Pressure clamp

6 - Lock pin

7 - Screw

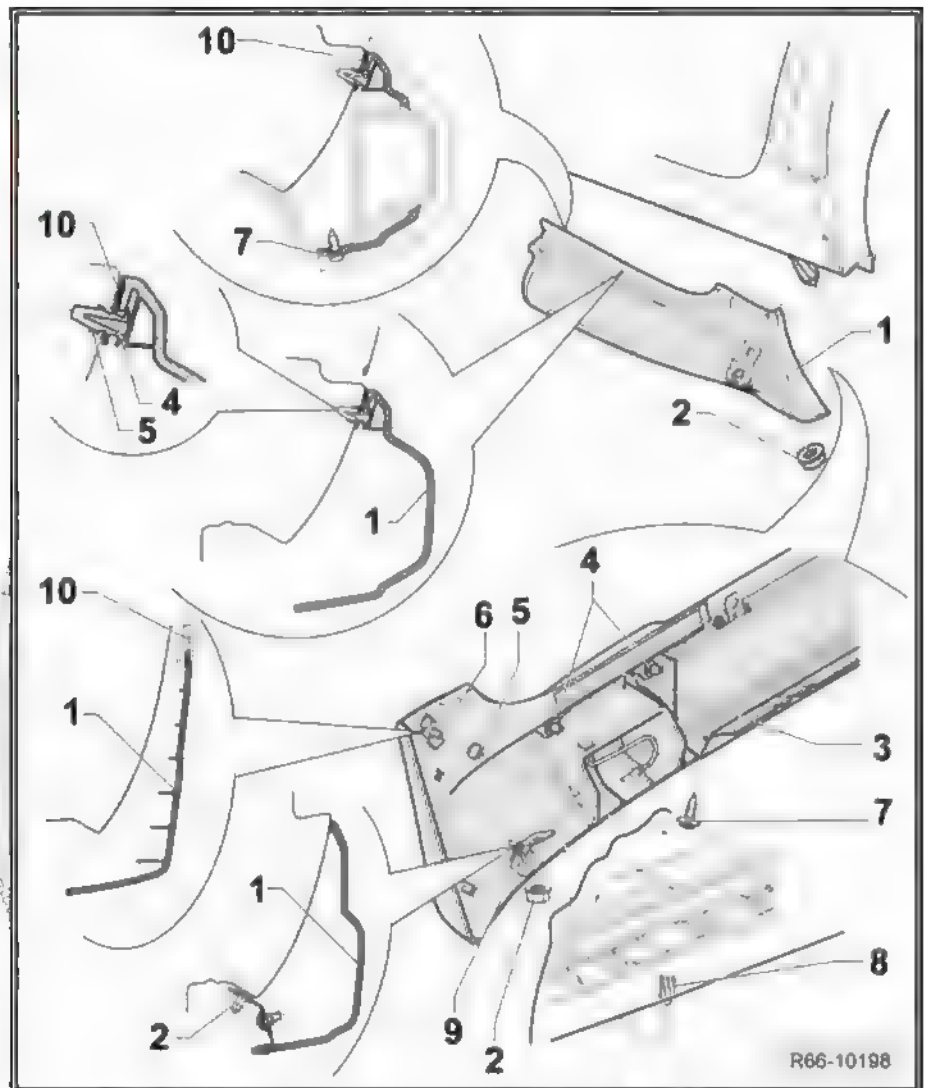
- ☐ Torque: 3 Nm

8 - Stud

9 - Lining support

- ☐ riveted to lining

10 - Rear side panel trim

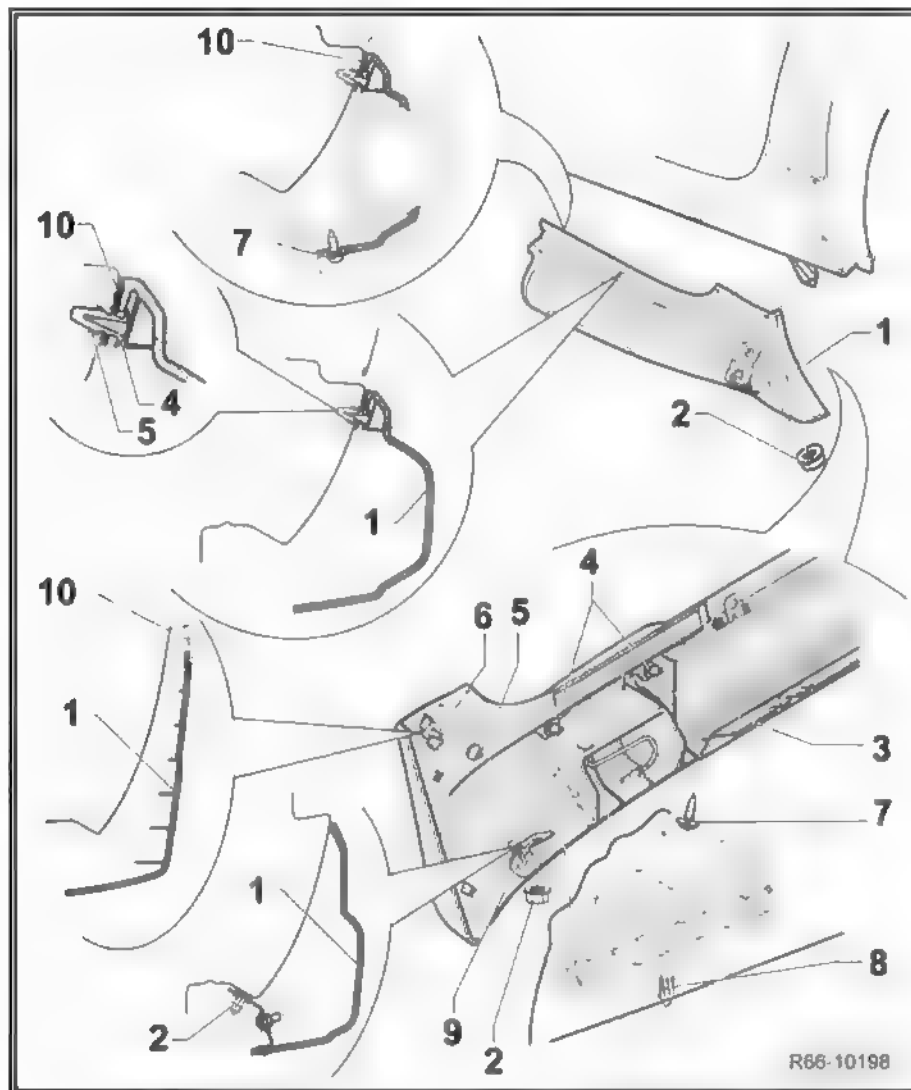


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6.7 Side footboard rear lining (New Cross-Fox) - replace

6.7.1 Remove

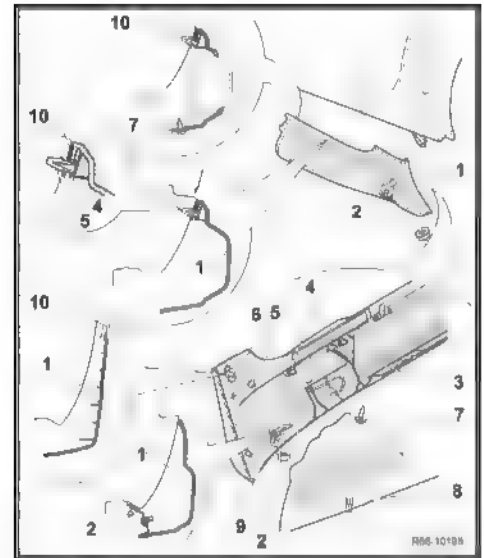


- Remove screw -7- and nut -2-.
- Detach side footboard rear lining -1- by heating it up with the hot air blower -VAG 1416- .



6.7.2 Install

- Clean the area where footboard rear lining shall be glued on body with adhesive remover -D 002 000 10- and then apply the cleaning solution -D 009 401 04- .
- Heat up the footboard rear lining -1- with the hot air blower - VAG 1416- .
- Place rear lining and install screw -7- and nut -2-
- Press footboard rear lining against body with a pressure roll -3356-



6.8 Side footboard rear lining (New CrossFox) - replace

1 - Side footboard upper lining

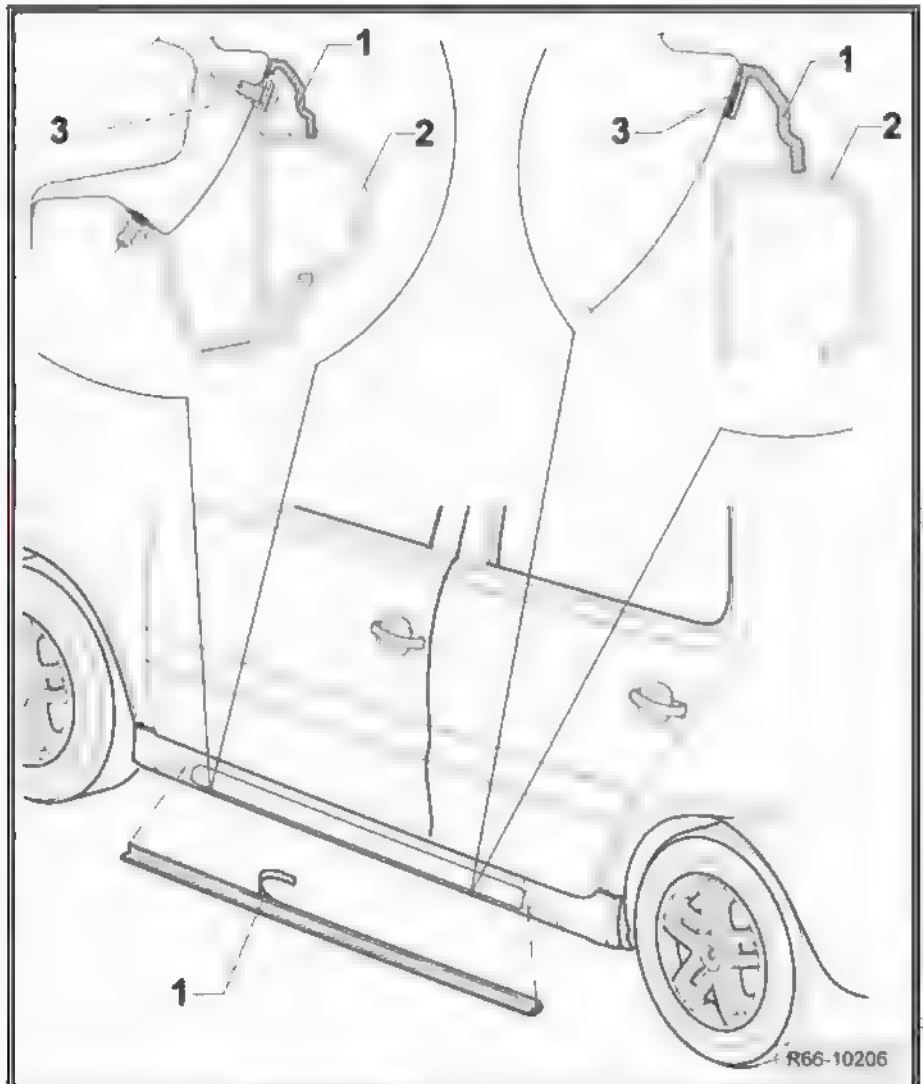
- ☐ Before removing, you must heat up the lining with the hot air blower - VAG 1416- .
- ☐ Clean the area where lining shall be glued with adhesive remover -D 002 000 10- , then apply the cleaning solution -D 009 401 04- .
- ☐ Operating temperature approx. 20°C.

2 - Side footboard

- ☐ Replace ➔ [page 262](#)

3 - Double-sided adhesive tape

- ☐ The adhesive tape adhesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched





7 External rearview mirror

7.1 External rearview mirror (Fox) - assembly overview

1 - Finishing cover

2 - Clip

- 2 parts

3 - Bushing

4 - Screw

- 3 parts
- Torque: 2.5 Nm

5 - Nut

6 - Internal control

7 - Bushing

8 - Mirror glass

- fitted in for both versions (manual and electric command)
- remove and install
⇒ [page 276](#)

9 - Bushing

10 - Connector

- version with electric command

11 - Activation support

- version with manual command

12 - Blind rivet

- 2 parts
- version with manual command

13 - Clip

- 2 parts

14 - Mirror fastening cover

- version with manual command
- with opening for activation rod

15 - Operating button

- version with manual command
- fitted to operating rod

16 - Screw

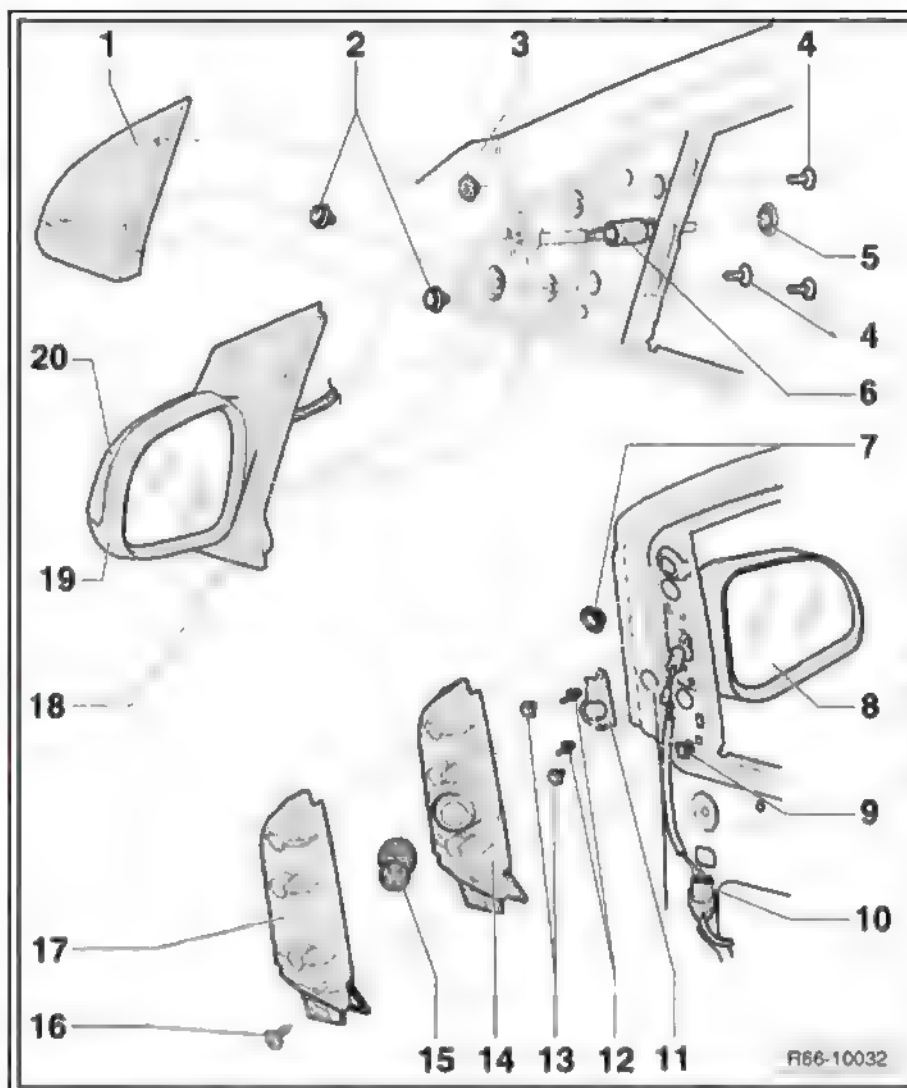
- Torque: 2.5 Nm

17 - Mirror fastening cover

- version with electric command

18 - External rearview mirror

- remove and install ⇒ [page 272](#)





19 - Mirror frame

20 - Mirror covering

- ☐ remove ➔ [page 274](#)

7.2 External rearview mirror (New Fox) - assembly overview

1 - Internal control

2 - Screw

- ☐ 3 parts
- ☐ Torque: 2.5 Nm

3 - Nut

- ☐ 1 unit
- ☐ Torque: 2.0 Nm

4 - Command fastening support

- ☐ version with manual command

5 - Bushing

6 - Mirror glass

- ☐ fitted in for both versions (manual and electric command)
- ☐ remove and install ➔ [page 277](#)

7 - Bushing

8 - Harness connector for electric rearview mirror

9 - Pop rivet

- ☐ 2 parts
- ☐ version with manual command

10 - Clip

11 - Mirror fastening cover

- ☐ version with manual command

12 - Operating button

- ☐ version with manual command
- ☐ fitted in to command activation rod

13 - Screw

14 - Mirror fastening cover

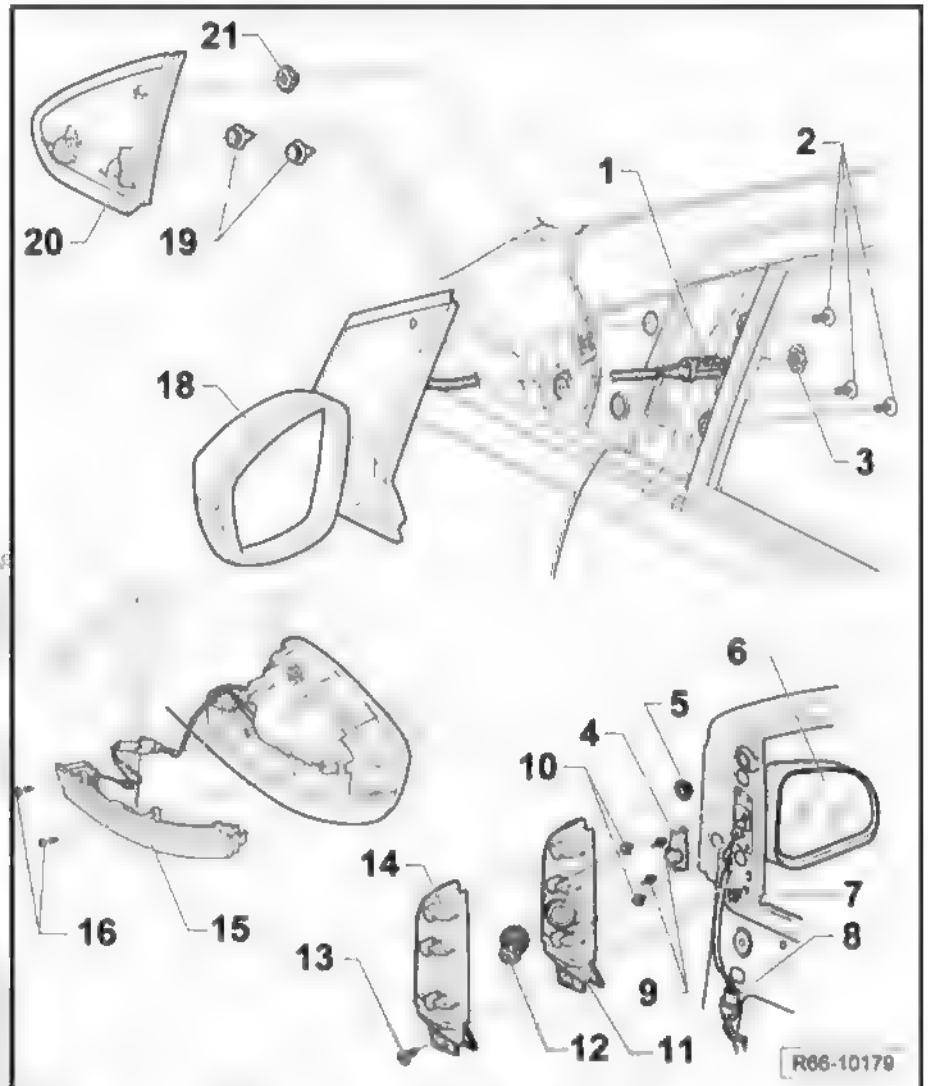
- ☐ version with electric command

15 - Direction indicator light

- ☐ remove mirror cover -18- to access the fastening.

16 - Screw

- ☐ 2 parts
- ☐ Torque: 1.5 Nm





17 - Direction indicator light harness connector

18 - Mirror covering

19 - Clip

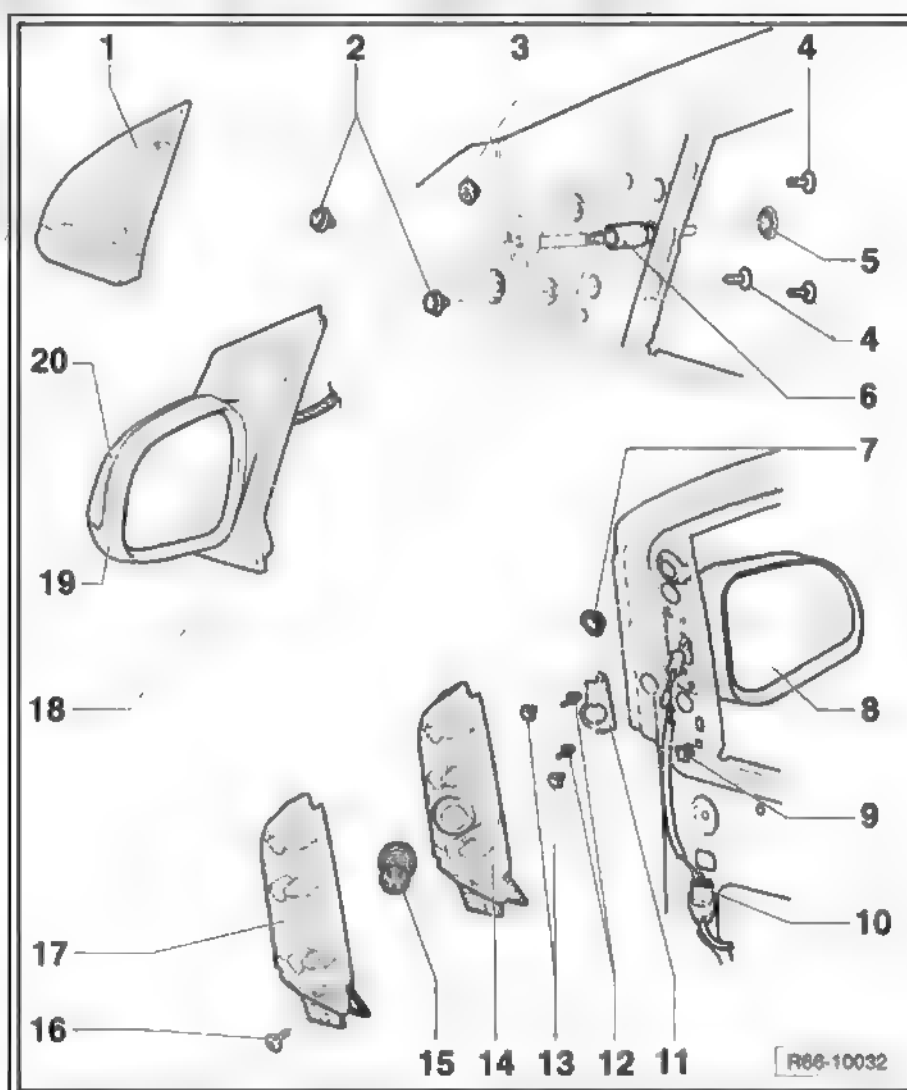
20 - Finishing cover

21 - Bushing

7.3 External rearview mirror (Fox) - remove and install

Remove

- Remove the door lining ⇒ Body - Internal assembly works;
Rep. gr. 79 ; Lining / insulation



- Remove cover cap (with manual command) -14- or (with electric command) -17-
- ◆ For version with manual command, remove activation button -15- and remove nut -5-
- ◆ For version with electric command, disconnect connector -10-

- Remove the screws -4- and remove the external rearview mirror -18-.

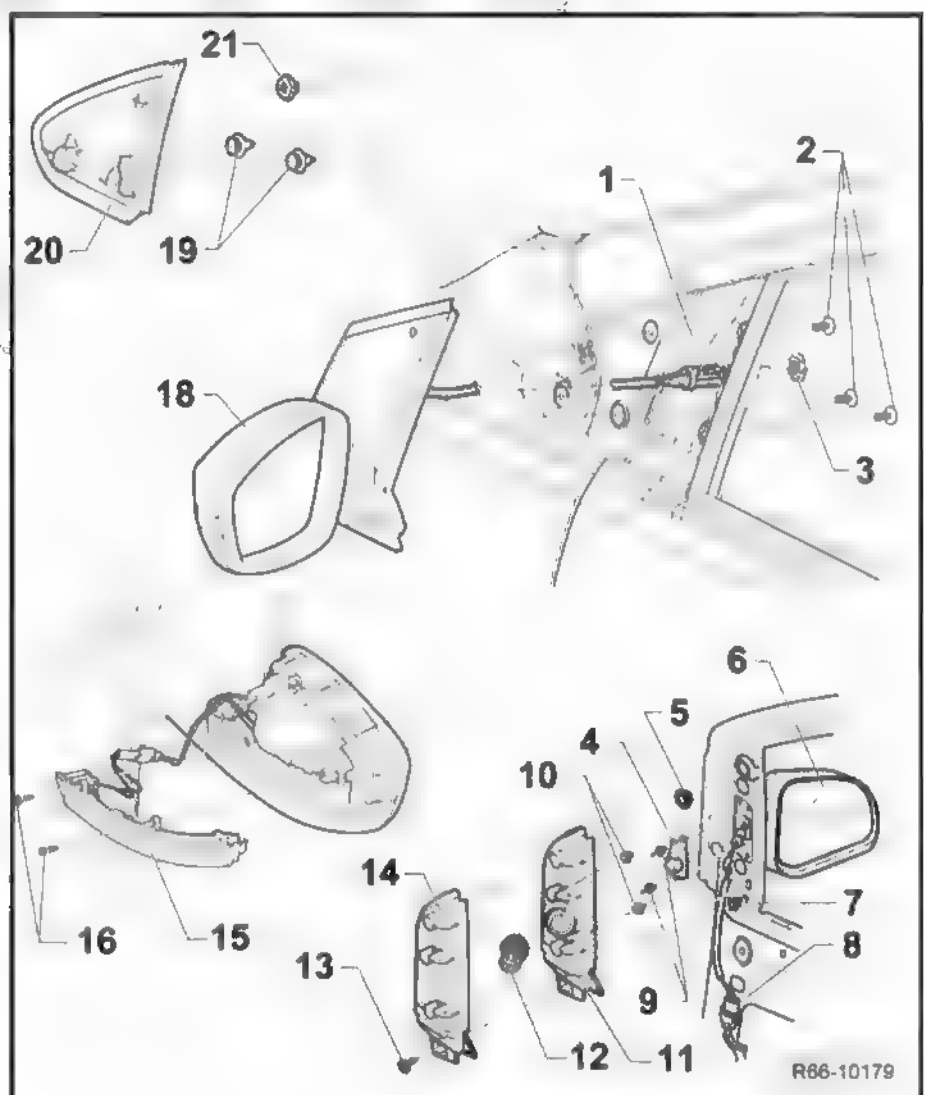
Install

- Installation is performed in the reverse sequence to the removal.

7.4 External rearview mirror (New Fox) - remove and install

7.4.1 Remove

- Remove the door lining ⇒ Body - Internal assembly works, Rep. gr. 70 ; Lining / insulation



- Remove cover cap (with manual command) -14- or (with electric command) -17-.
- ◆ For version with manual command, remove activation button -12- and remove nut -11-.
- ◆ For version with electric command, disconnect connector -8-.
- Remove screws -2- and remove external rearview mirror



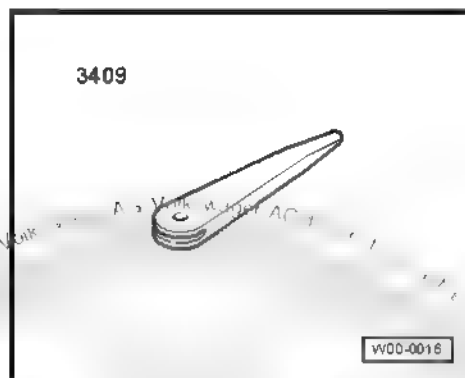
7.4.2 Install

- Installation is performed in the reverse sequence to the removal.

7.5 Mirror cover (Fox) - remove and install

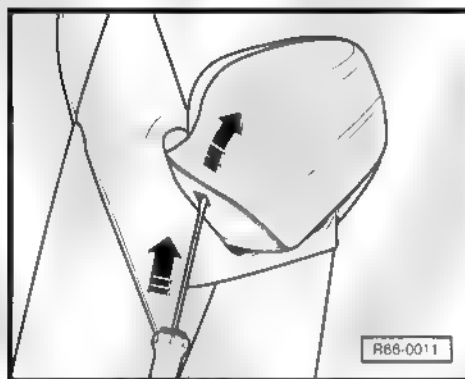
Special tools and workshop equipment required

- ◆ Wedge -3409-



7.5.1 Remove

- Fold rearview mirror backwards.
- Insert a screwdriver or similar in the mirror base support joint opening to be able to unlock the fitting shoulder on mirror cover.
- Use just enough pressure over the fitting shoulder with the screwdriver in -direction of arrow- so as to prevent damage to it, while removing mirror base support mirror cover by using a wedge -3409-. Disengage cover by moving it towards -arrow-.



Caution

The cover is made of ABS, and the mirror case is made of ASA (Styrol Acrylnitril modified by Acrilester). Therefore, it is sensitive to lock breakages.

7.5.2 Install

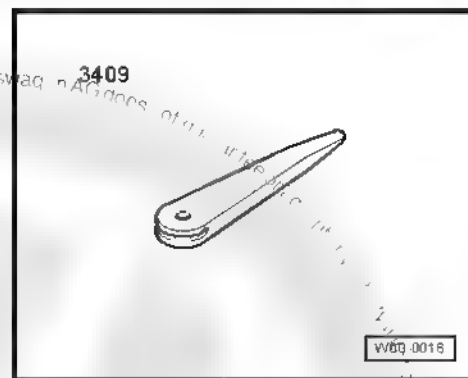
- Press the covering and first fit it to the upper section of the case, and then to the lower section.

7.6 Mirror cover (New Fox) - remove

Special tools and workshop equipment required



◆ Wedge -3409-



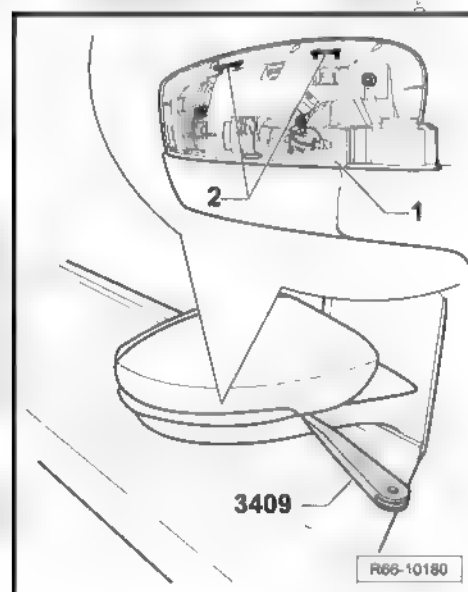
7.6.1 Remove

- Insert wedge -3409- between rearview mirror case and cover and initially unlock lock -1- then, unlock locks -2-.



Caution

The cover is made of PA6 + 30 % and the mirror frame is made of ASA (Styrol Acrylnitril modified by Acrilester). Therefore, they are sensitive to lock breakages.



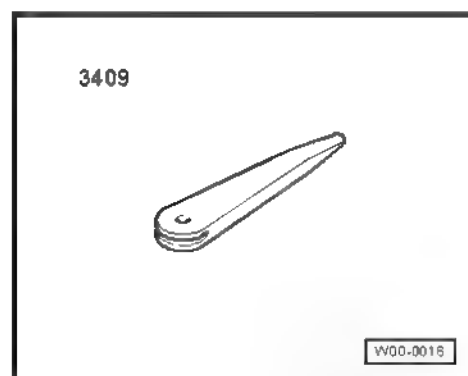
7.6.2 Install

- Press the covering and first fit it to the upper section of the case, and then to the lower section.

7.7 Mirror frame (Fox) - remove and install

Special tools and workshop equipment required

◆ Wedge -3409-

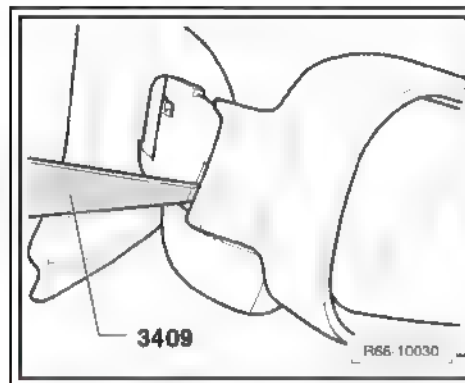


Remove

- Tilt mirror in opposite direction of vehicle movement



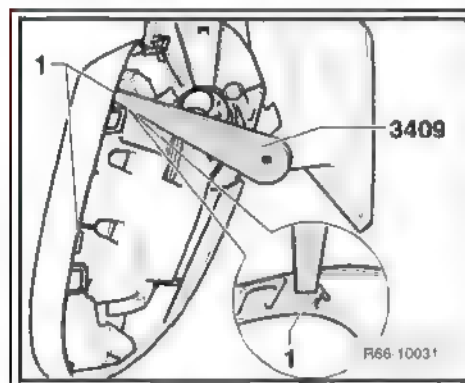
- Remove mirror cover ➤ [page 274](#) .



- Unlock frame with a wedge -3409- .
- Disengage frame locks -1- with a wedge -3409- .
- Disengage and remove the frame.

Install

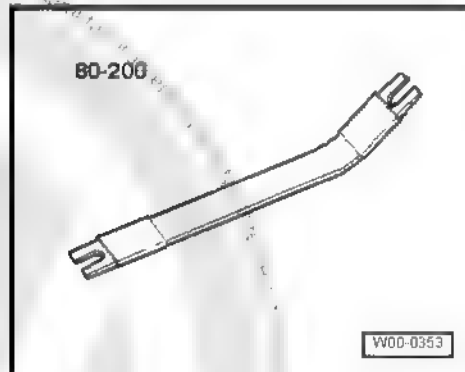
- Installation is performed in the reverse sequence to the removal.



7.8 Mirror glass (Fox) - remove and install

Special tools and workshop equipment required

- ♦ Ejector lever -80-200-

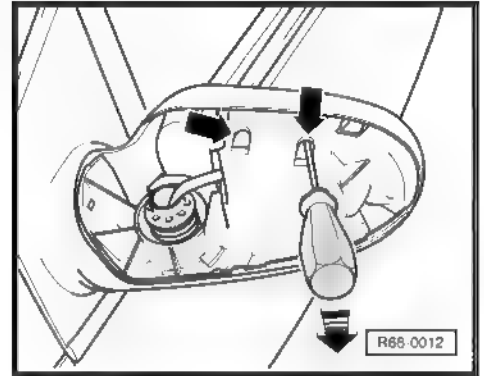


Remove

- Remove mirror cover ➤ [page 274](#) .



- Unlock upper fitting shoulders with a screwdriver or similar through openings -arrows- in the mirror base support.
- To avoid damages to the fitting shoulders, make only sufficient pressure on the fitting shoulders with the screwdriver in -direction of the arrow-.
- Concurrently, press mirror glass with a ejector lever -80-200- , first upward, then below the mirror base support; in this case protect the base support against damage (for instance, with a cotton stripe).
- For heated mirrors, disconnect mirror glass connectors



Install

- Connect electric connections in heated mirrors.
- Place and press the mirror glass with the guide pins to the housings.



DANGER!

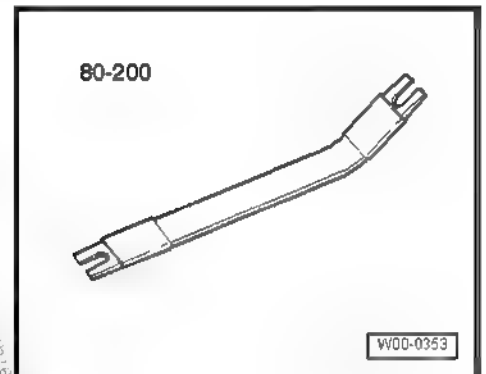
Press only onto the glass centre. Always wear safety gloves.

- Install the mirror cover.

7.9 Mirror glass (New Fox) - remove and install

Special tools and workshop equipment required

- ◆ Ejector lever -80-200-





Remove

- Place mirror glass -2- facing the mirror case interior. Insert a ejector lever -80-200- through the opening between mirror glass and case
- Carefully move ejector lever -80-200- towards the -arrow- and disengage mirror glass



Note

Protect mirror case with masking tape.

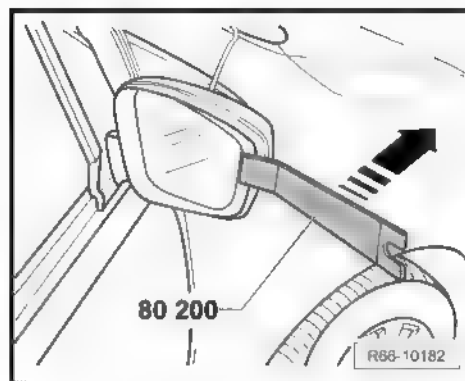
Install

- Press mirror glass center to fit it.



DANGER!

Press only onto the glass centre. Always wear safety gloves.



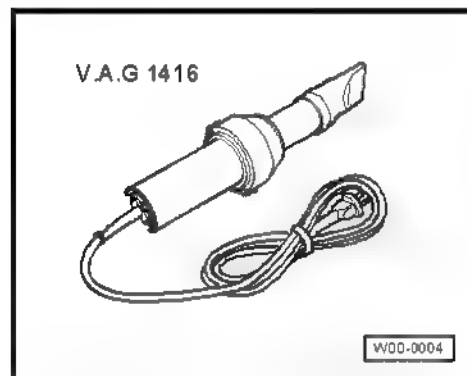


8 Side trims

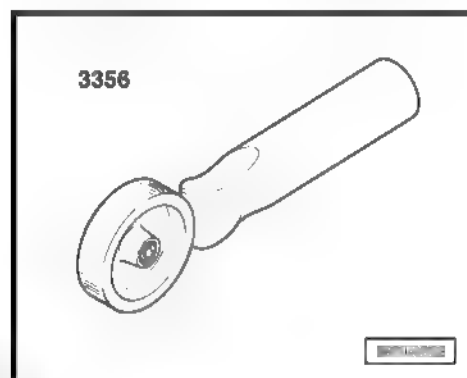
8.1 Side trims (Fox) - replace

Special tools and workshop equipment required

- ◆ Hot air blower -VAG 1416-



- ◆ Pressure roll -3356-



Side trims



1 - Side trim / rear door

- ☐ self-adhesive
- ☐ Dimension „a“ = 8 mm
- ☐ Remove

– Unglue the trim with the hot air blower -VAG 1416-, for easing the removal.

– Remove all dirt and oiliness.

– Remove adhesive residues with the adhesive remover -D 002 000 10- and apply the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.

- ☐ Install

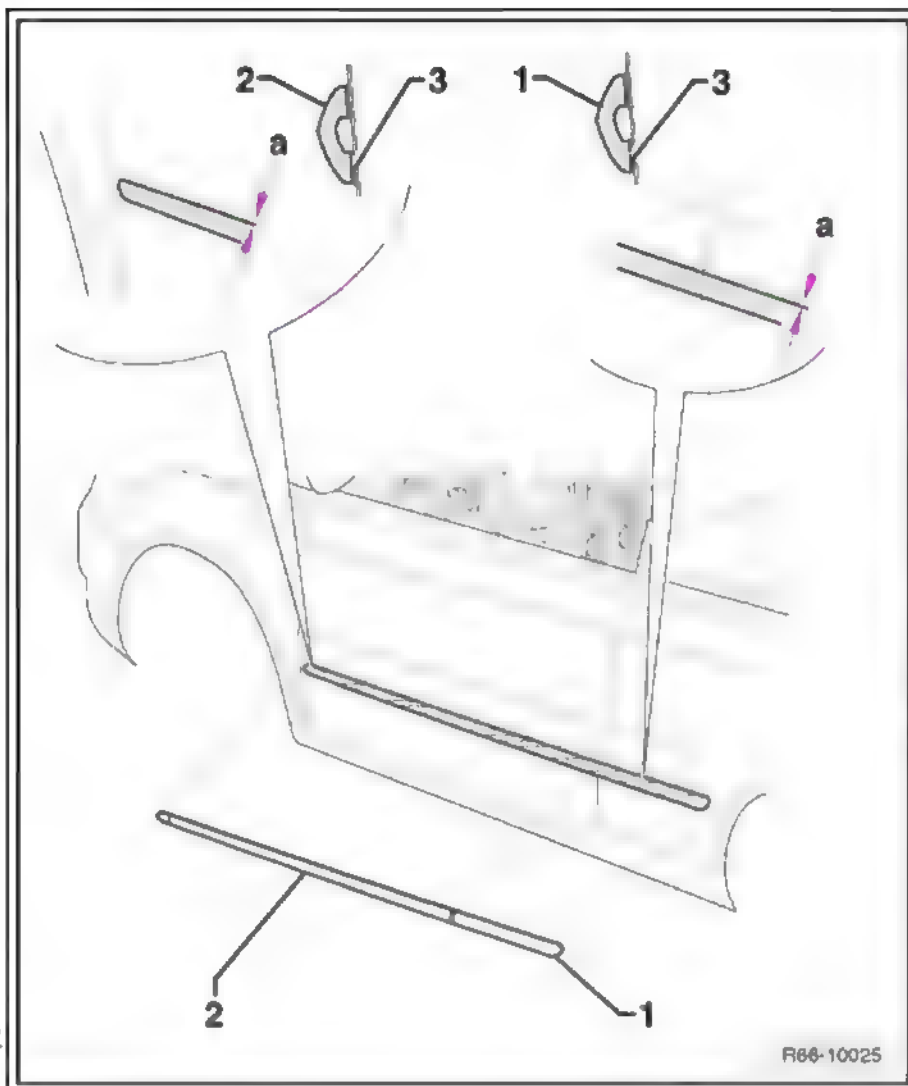
– Heat up trim and surface with hot air blower -VAG 1416- to make installation easier.

– Remove the liner from the double-sided adhesive tape, position the trim and press with the pressure roll -3356-.



Note

Respect dimension „a“.



2 - Front door trim

- ☐ self-adhesive
- ☐ Dimension „a“ = 8 mm
- ☐ Remove

– Unglue the trim with the hot air blower -VAG 1416-, for easing the removal.

– Remove all dirt and oiliness.

– Remove adhesive residues with adhesive remover -D 002 000 10- and apply cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.

- ☐ Install

– Heat up trim and surface with hot air blower -VAG 1416- to make installation easier.

– Remove the liner from the double-sided adhesive tape, position the trim and press with the pressure roll -3356-.



Note

♦ *Operating temperature approx. 20°C.*

♦ *Respect dimension „a“.*

3 - Double-sided adhesive tape

- ☐ The adhesive tape adhesion area must be completely free of dirt.

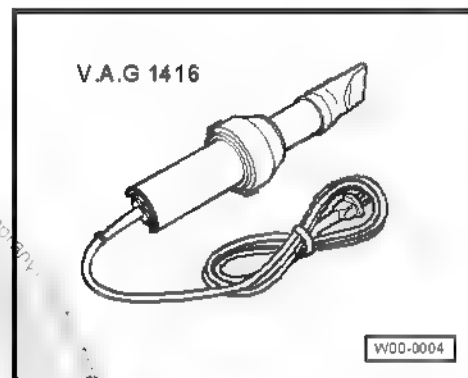


- ❑ Under no circumstances should the self-adhesive surface of the tape be touched

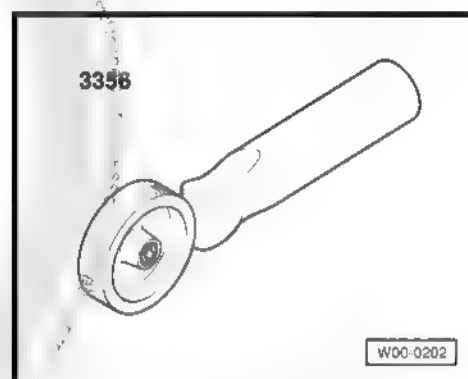
8.2 Side badges (New Fox - 2-door) - replace

Special tools and workshop equipment required

- ◆ Hot air blower -VAG 1416-



- ◆ Pressure roll -3356-



Side trims



1 - Trim adhesion area

- ☐ Clean the area using adhesive remover -D 002 000 10-, then apply the cleaning solution -D 009 401 04-.

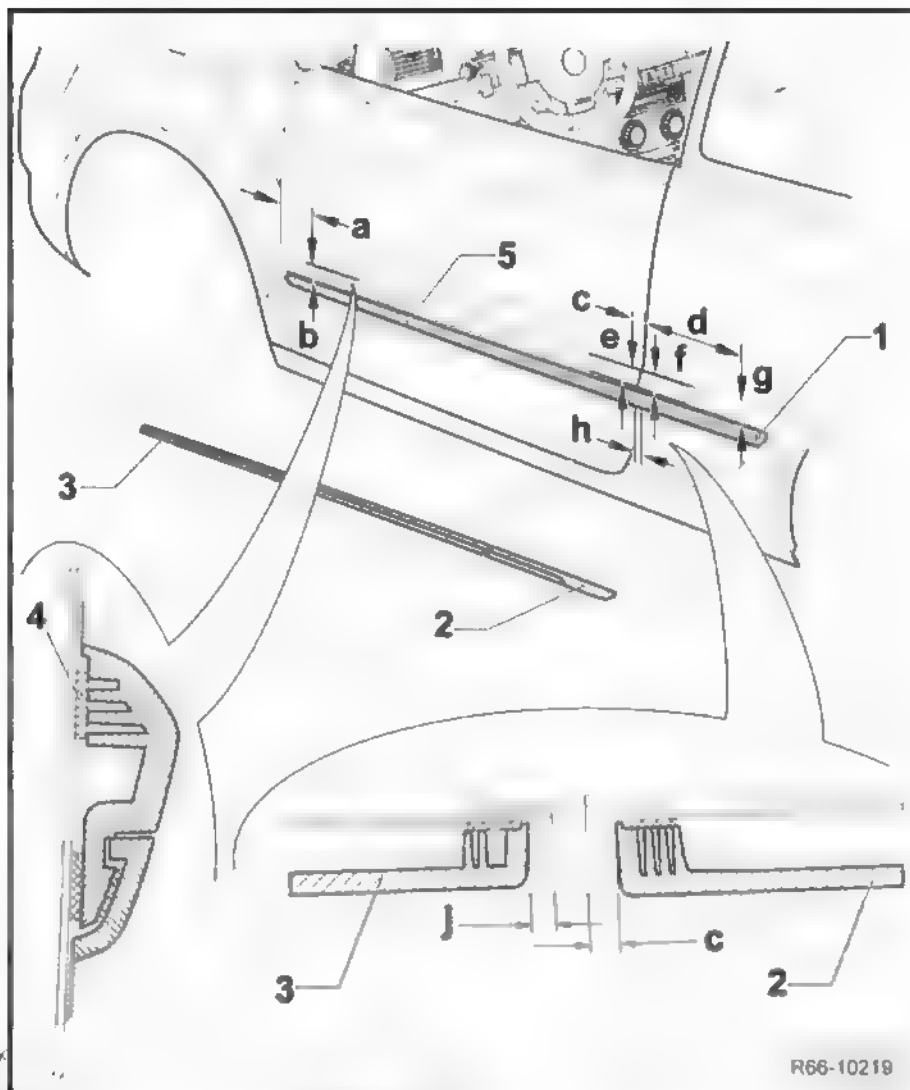
2 - Rear side lining

- ☐ self-adhesive
- ☐ Remove
 - Unglue the trim with the hot air blower -VAG 1416-, for easing the removal.
 - Remove all dirt and oiliness.
 - Remove adhesive residues with the adhesive remover -D 002 000 10- and apply the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.
- ☐ Install
 - Heat up trim and surface with hot air blower -VAG 1416- to make installation easier.
 - Remove the liner from the double-sided adhesive tape, position the trim and press with the pressure roll -3356-.



Note

Operating temperature
20°C.



R66-10219

- ◆ c = 4.3 mm
- ◆ d = 398 mm
- ◆ f = 7.4 mm
- ◆ g = 3.22 in
- ◆ h = 0.08 in

3 - Front-door trim

- ☐ self-adhesive
- ☐ Remove
 - Unglue the trim with the hot air blower -VAG 1416-, for easing the removal.
 - Remove all dirt and oiliness.
 - Remove adhesive residues with adhesive remover -D 002 000 10- and apply cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.
- ☐ Install
 - Heat up trim and surface with hot air blower -VAG 1416- to make installation easier.
 - Remove the liner from the double-sided adhesive tape, position the trim and press with the pressure roll -3356-.



Note

Operating temperature approx
20°C.



◆ a = 177 mm

◆ b = 54 mm

◆ c = 43 mm

◆ e = 73 mm

◆ j = 010 in

4 - Double-sided adhesive tape

- ☐ The adhesive tape adhesion area must be completely free of dirt
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched

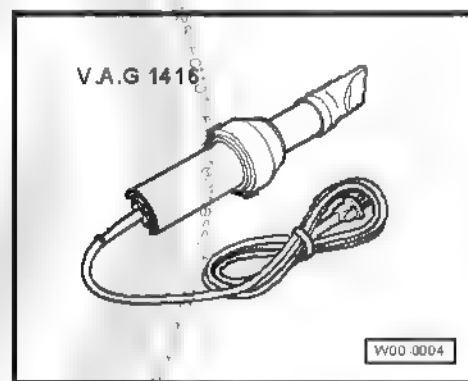
5 - Trim adhesion area

- ☐ Clean the area using adhesive remover -D 002 000 10-, then apply the cleaning solution -D 009 401 04-.

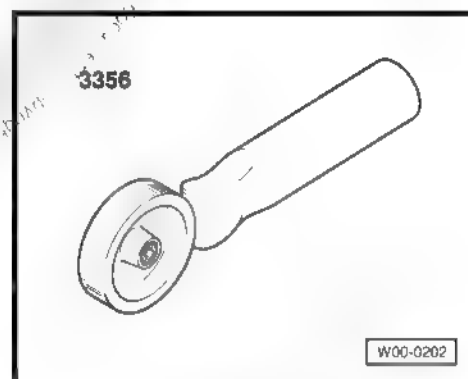
8.3 Side badges (New Fox - 4-door) - replace

Special tools and workshop equipment required

◆ Hot air blower -VAG 1416-



◆ Pressure roll -3356-



Side trims



1 - Trim adhesion area

- ☐ Clean the area using adhesive remover -D 002 000 10-, then apply the cleaning solution -D 009 401 04-.

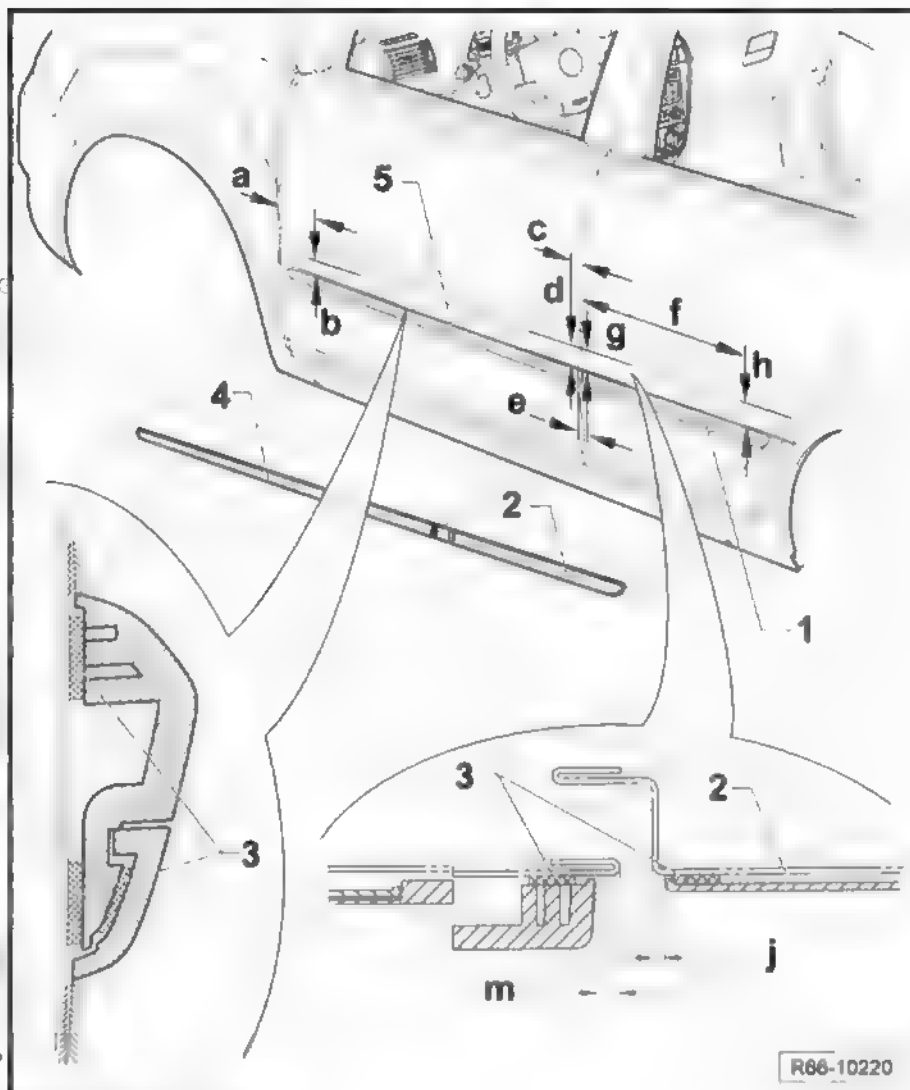
2 - Rear door trim

- ☐ self-adhesive
- ☐ Remove
 - Unglue the trim with the hot air blower -VAG 1416-, for easing the removal.
 - Remove all dirt and oiliness. Remove adhesive residues with the adhesive remover -D 002 000 10- and apply the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.
- ☐ Install
 - Heat up trim and surface with hot air blower -VAG 1416- to make installation easier.
 - Remove the liner from the double-sided adhesive tape, position the trim and press with the pressure roll -3356-.



Note

Operating temperature
20°C



R66-10220

- ◆ e = 2.0 mm
- ◆ f = 594.5 mm
- ◆ g = 3.22 in
- ◆ h = 0.08 in
- ◆ j = 0.10 in

3 - Double-sided adhesive tape

- ☐ The adhesive tape adhesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched

4 - Front door trim

- ☐ self-adhesive
- ☐ Remove
 - Unglue the trim with the hot air blower -VAG 1416-, for easing the removal.
 - Remove all dirt and oiliness
 - Remove adhesive residues with adhesive remover -D 002 000 10- and apply cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.
- ☐ Install
 - Heat up trim and surface with hot air blower -VAG 1416- to make installation easier.
 - Remove the liner from the double-sided adhesive tape, position the trim and press with the pressure roll -3356-.



Note

*Operating temperature approx
20°C.*

- ◆ a = 177 mm
- ◆ b = 54 mm
- ◆ c = 43 mm
- ◆ d = 69 mm
- ◆ m = 0.13 in

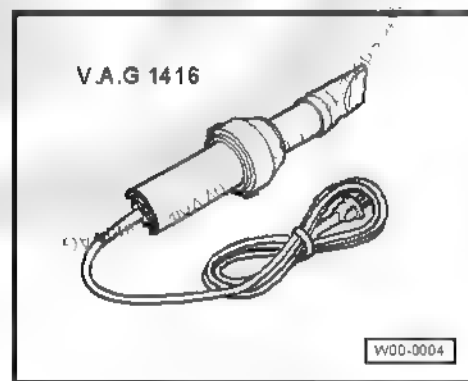
5 - Trim adhesion area

- ☐ Clean the area using adhesive remover -D 002 000 10- , then apply the cleaning solution -D 009 401 04- .

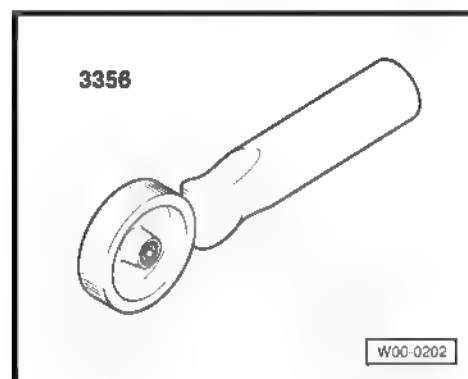
8.4 Side trims (New Fox - Prime) - replace

Special tools and workshop equipment required

- ◆ Hot air blower -VAG 1416-



- ◆ Pressure roll -3356-



Side trims



1 - Front door trim gluing area

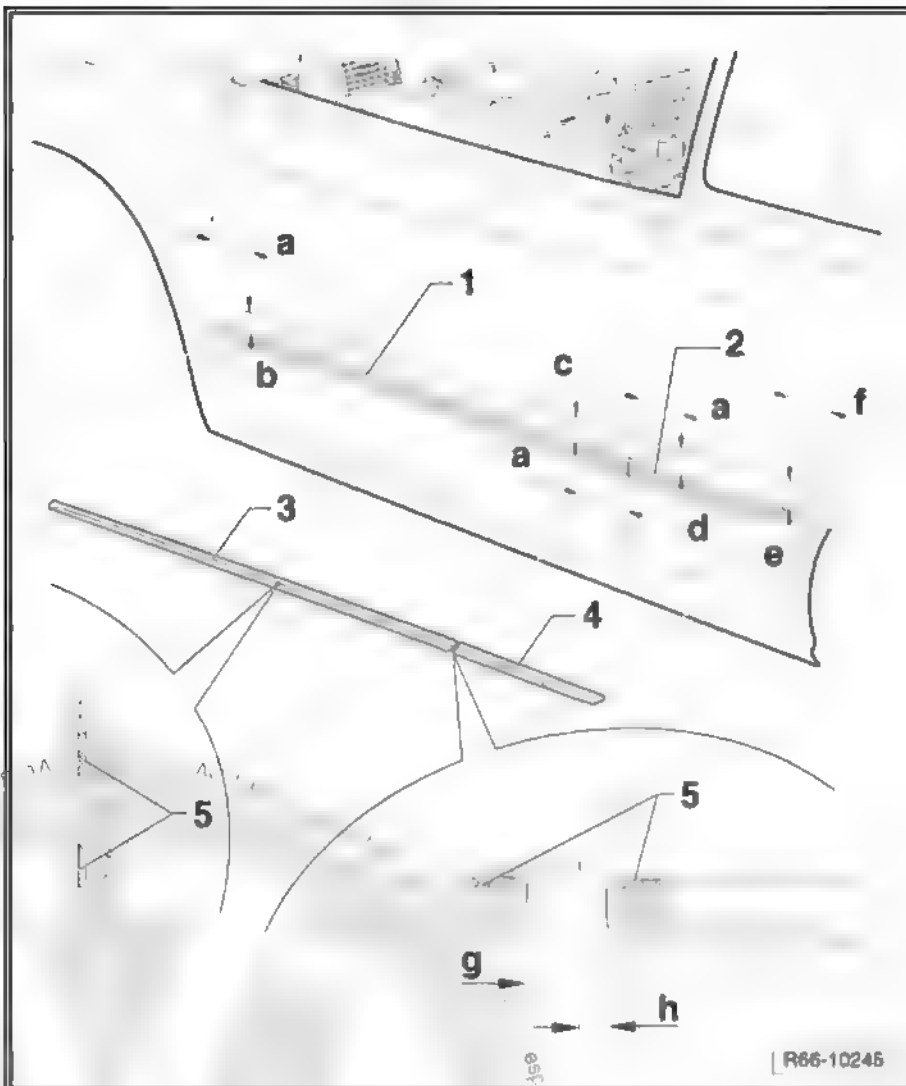
- ☐ Clean the adhesion area with the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.

2 - Front rear door / side panel trim gluing area

- ☐ Clean the adhesion area with the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.

3 - Front door trim

- ☐ self-adhesive
- ☐ Dimension „a“ = 100 mm
- ☐ Dimension „b“ = 7.1 mm
- ☐ Dimension „c“ = 8.15 mm
- ☐ Dimension „g“ = 3.5 mm
- ☐ Remove
- Unglue the trim with the hot air blower -VAG 1416-, for easing the removal.
- Remove all dirt and oiliness.
- Remove adhesive residue with the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.



Install

- Heat up previously the trim and the adhesion area with the hot air blower -VAG 1416-, to facilitate the installation.
- Remove the liner from the double-sided adhesive tape, position the trim and press with the pressure roll -3356-.

Note

*Operating temperature approx.
20°C.*

4 - Rear door / side panel trim

- ☐ self-adhesive
- ☐ Dimension „a“ = 100 mm
- ☐ Dimension „d“ = 8.5 mm
- ☐ Dimension „e“ = 9,11 mm
- ☐ Dimension „f“ = 200 mm
- ☐ Dimension „h“ = 4.3 mm
- ☐ Remove
- Unglue the trim with the hot air blower -VAG 1416-, for easing the removal.



- Remove adhesive residue with the cleaning solution -D 009 401 04- . Rub the surface with a cloth until it is completely dry
- ☐ Install
- Heat up previously the trim and the adhesion area with the hot air blower -VAG 1416- , to facilitate the installation
- Remove the liner from the double-sided adhesive tape, position the trim and press with the pressure roll -3356- .



Note

*Operating temperature approx
20°C.*

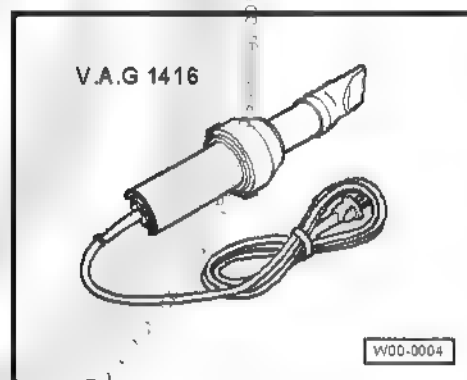
5 - Double-sided adhesive tape

- ☐ The adhesive tape adhesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched.

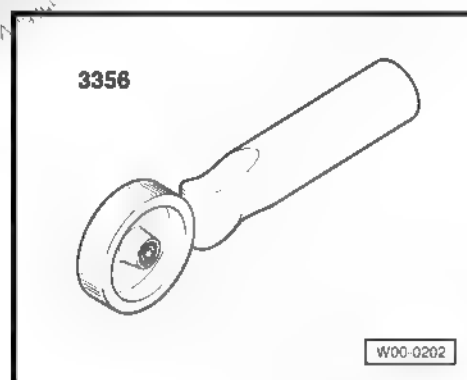
8.5 Side trims (New Fox - 2011 ►) - replace

Special tools and workshop equipment required

- ◆ Hot air blower -VAG 1416-



- ◆ Pressure roll -3356-



Side trims



1 - Front door trim gluing area

- ☐ Clean the adhesion area with the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.

2 - Front rear door / side panel trim gluing area

- ☐ Clean the adhesion area with the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.

3 - Front door trim

- ☐ self-adhesive
- ☐ Dimension „a“ = 100 mm
- ☐ Dimension „b“ = 7.1 mm
- ☐ Dimension „c“ = 7.1 mm
- ☐ Dimension „f“ = 2.0 mm
- ☐ Remove

- Unglue the trim with the hot air blower -VAG 1416-, for easing the removal.

- Remove all dirt and oiliness.

- Remove adhesive residue with the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.

- ☐ Install

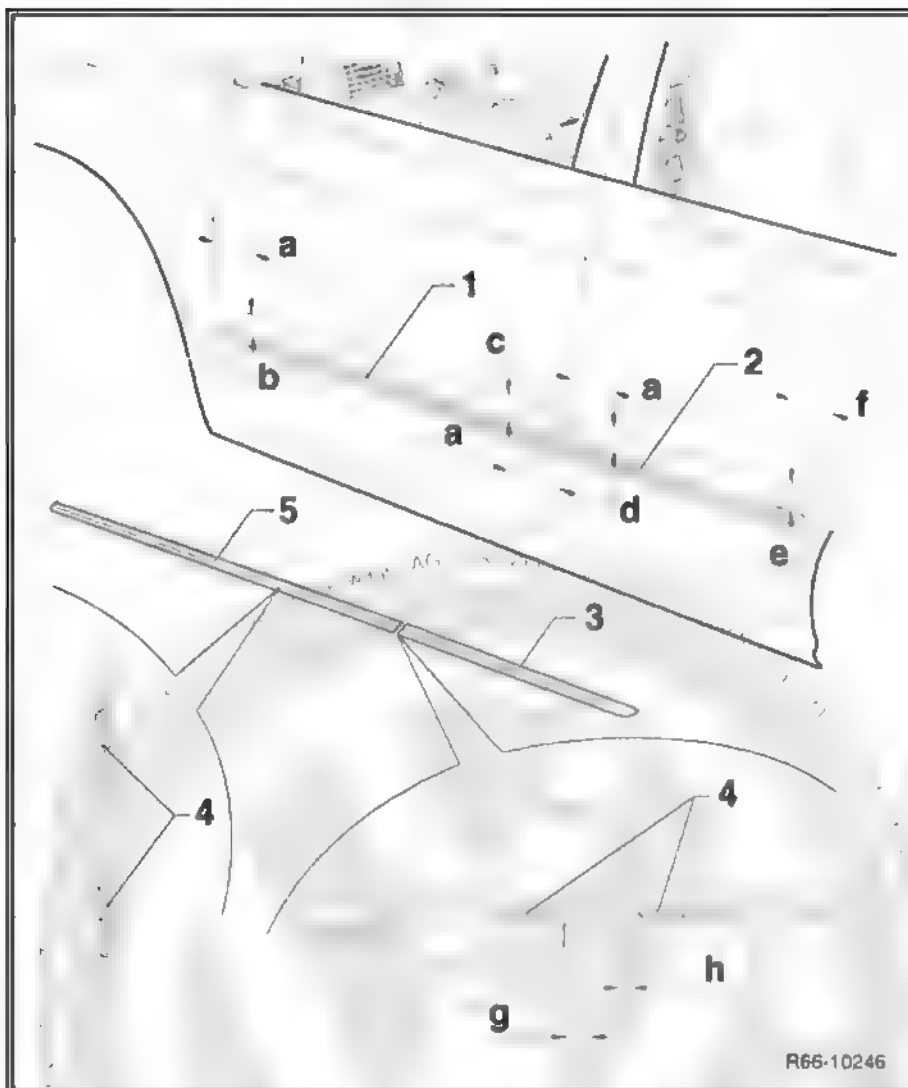
- Heat up previously the trim and the adhesion area with the hot air blower -VAG 1416-, to facilitate the installation.

- Remove the liner from the double-sided adhesive tape, position the trim and press with the pressure roll -3356-.



Note

*Operating temperature approx.
20°C.*



4 - Rear door / side panel trim

- ☐ self-adhesive
- ☐ Dimension „a“ = 100 mm
- ☐ Dimension „d“ = 8.2 mm
- ☐ Dimension „e“ = 9.2 mm
- ☐ Dimension „g“ = 2.5 mm
- ☐ Remove

- Unglue the trim with the hot air blower -VAG 1416-, for easing the removal.



- Remove adhesive residue with the cleaning solution -D 009 401 04-. Rub the surface with a cloth until it is completely dry.
- ☐ Install
- Heat up previously the trim and the adhesion area with the hot air blower -VAG 1416-, to facilitate the installation
- Remove the liner from the double-sided adhesive tape, position the trim and press with the pressure roll -3356-.



Note

*Operating temperature approx.
20°C.*

5 - Double-sided adhesive tape

- ☐ The adhesive tape adhesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched.

8.6 External longitudinal member lower lining (09.06 >) - general overview of assembly

1 - Pressure clamp

2 - Lock pin

3 - Screw

4 - Access cover to jack support

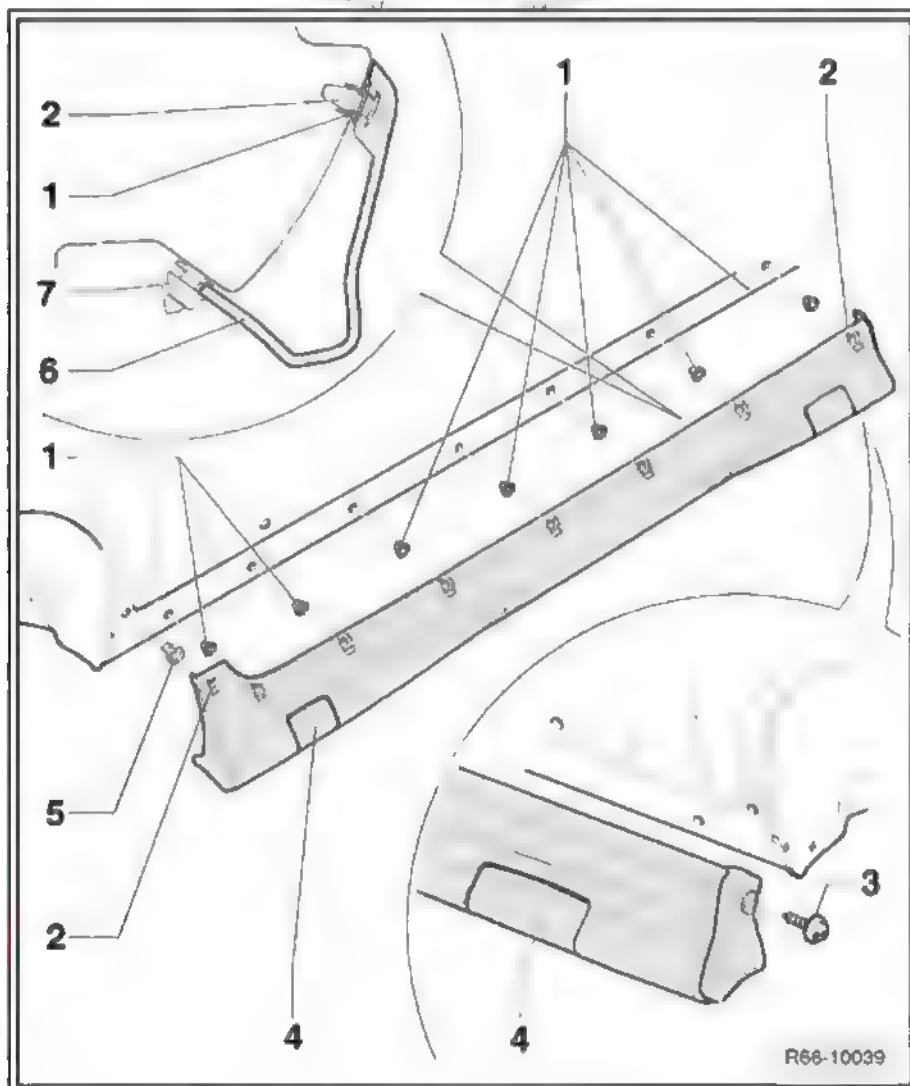
5 - Clip

6 - Lower longitudinal member external lining

- ☐ Self-adhesive, fastened by screws and clamps.
- ☐ Before removing, you must heat up the lining with the hot air blower -VAG 1416-.
- ☐ Clean the area where lining shall be glued on body with adhesive remover -D 002 000 10- and then apply cleaning solution -D 009 401 04-.
- ☐ Operating temperature approx. 20°C.
- ☐ Remove and install
⇒ [page 290](#)

7 - Nut

- ☐ Torque: 1.5 Nm



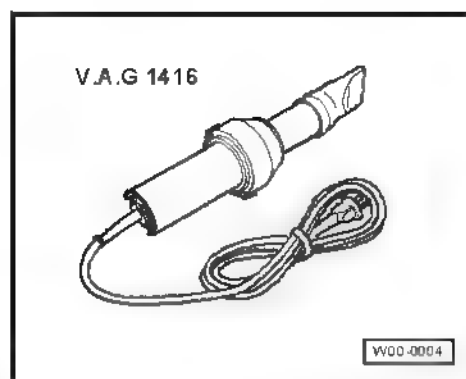
R66-10039



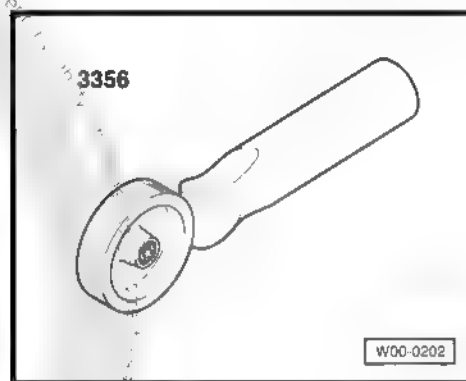
8.7 External longitudinal member lower lining (09.06 ►) - remove and install

Special tools and workshop equipment required

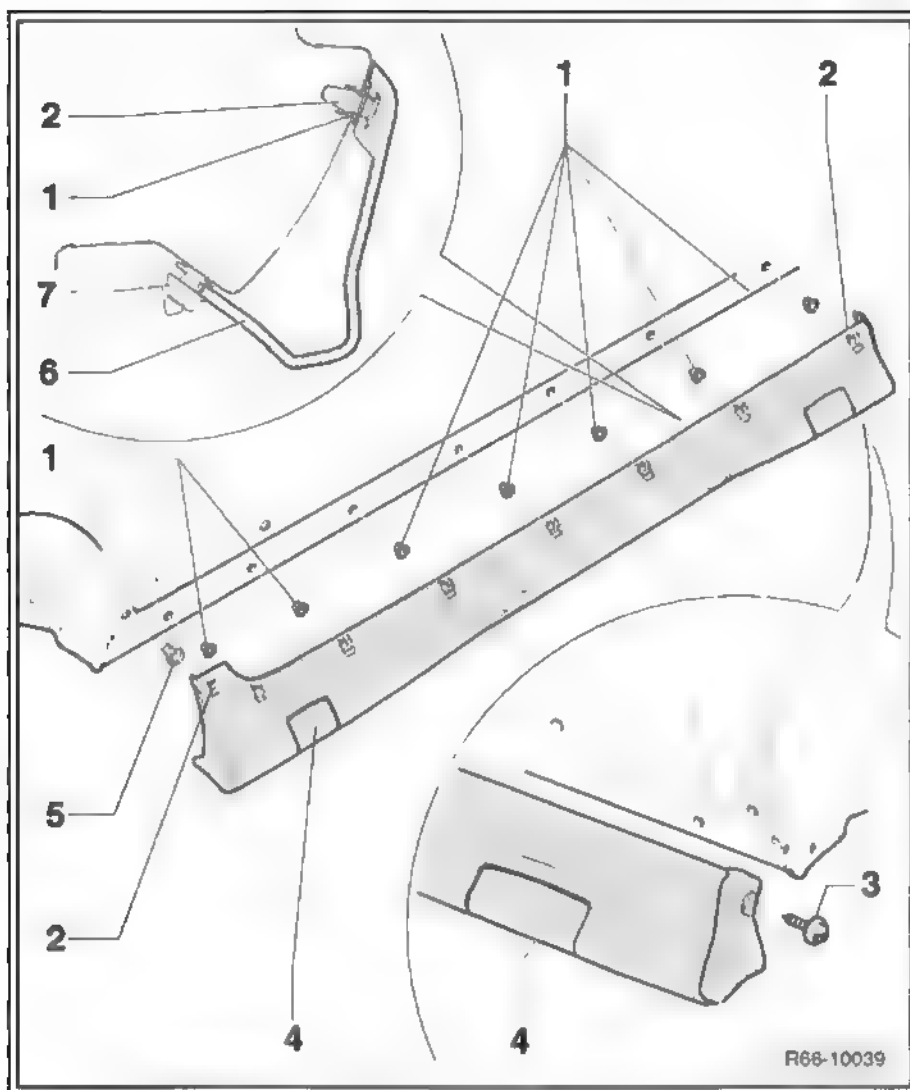
- ◆ Hot air blower -VAG 1416-



- ◆ Pressure roll -3356-



8.7.1 Remove



- Remove screw -3- and nut -7-.
- Detach external longitudinal member lower lining -6- by heating it with a hot air blower -VAG 1416-.
- Remove lining by disengaging it from clamps -1-.



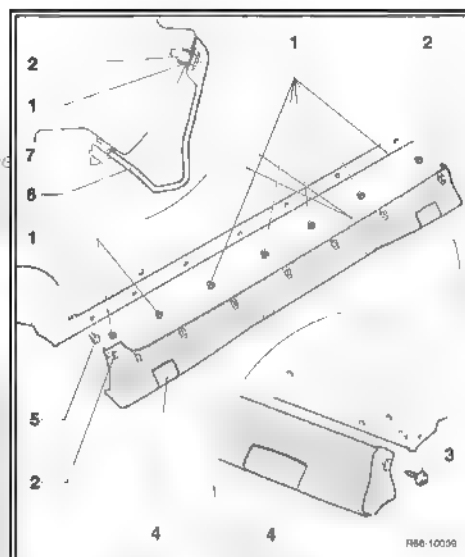
8.7.2 Install

- Clean the area where footboard rear lining shall be glued on body with adhesive remover -D 002 000 10- and then apply the cleaning solution -D 009 401 04-.
- Heat up external longitudinal member lower lining -6- in area with double-sided adhesive tape with the hot air blower -VAG 1416-
- Place external longitudinal member lower lining and press it against body. Install screw -3- and nuts -7-.
- Press external longitudinal member lower lining edges with double-sided adhesive tape against body with the pressure roll -3356-



Note

Operating temperature approx. 20°C.

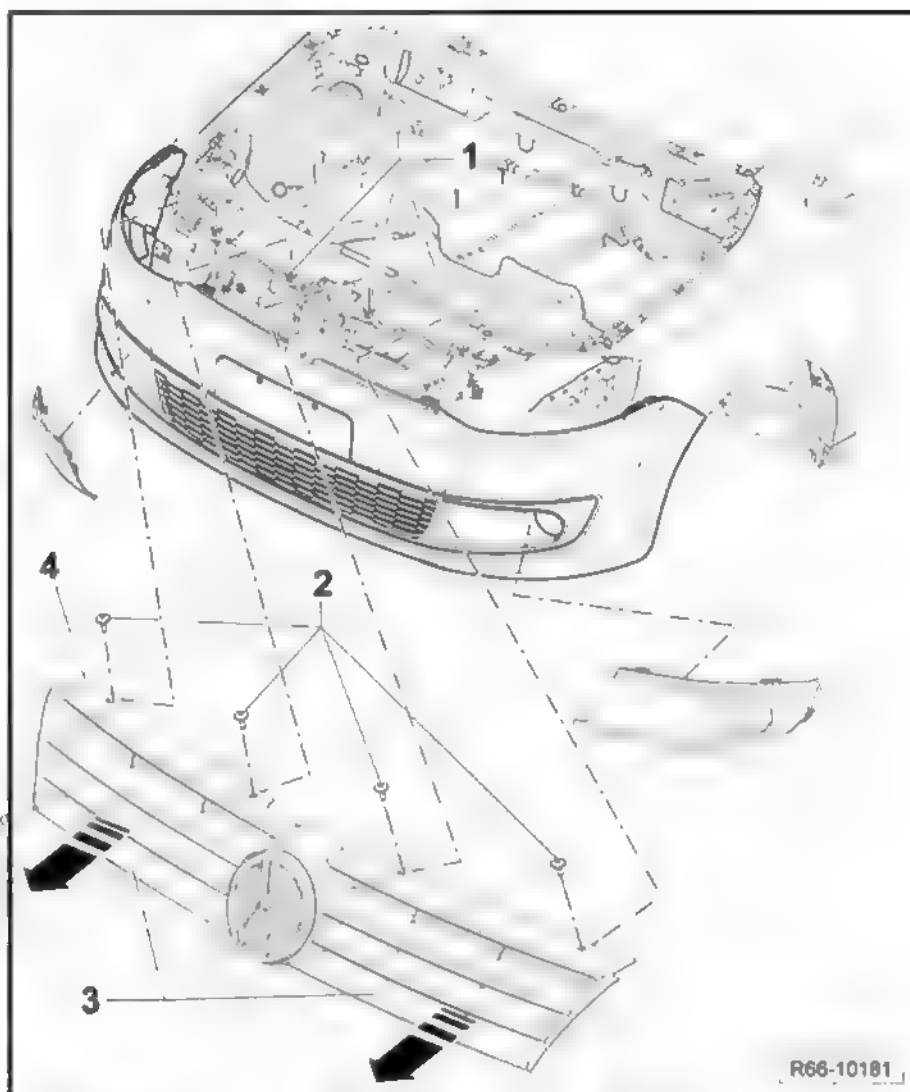




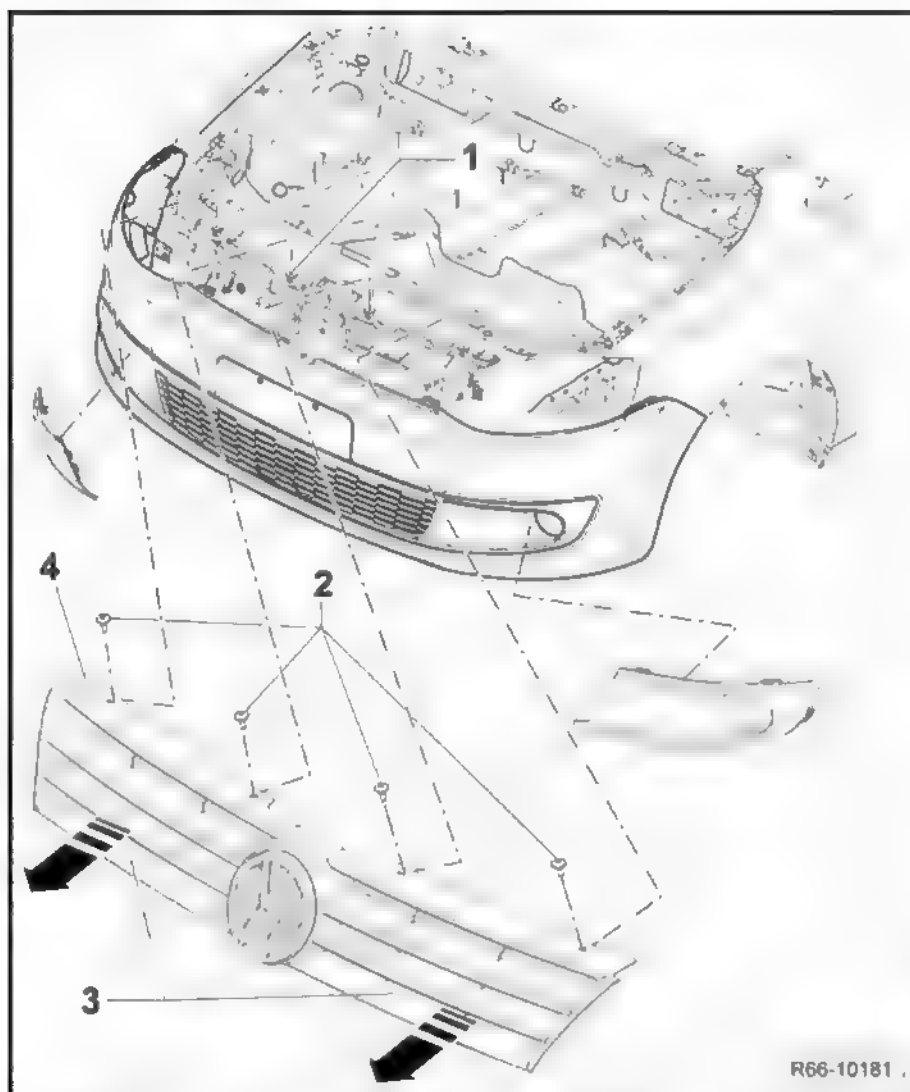
9 Front grid

9.1 Front grid (New Fox) - remove and install

- 1 - Bushing
 - 4 parts
 - replace if necessary
- 2 - Screw
 - 4 parts
 - Torque: 1.5 Nm
- 3 - Hand support area for grid removal
- 4 - Front grid with badge



Remove



- Remove the screws -4-.
- With hands placed in area -3-, disengage bumper front protector grid.



Caution

Use of safety gloves is recommended because of the front grid's pointed edges.

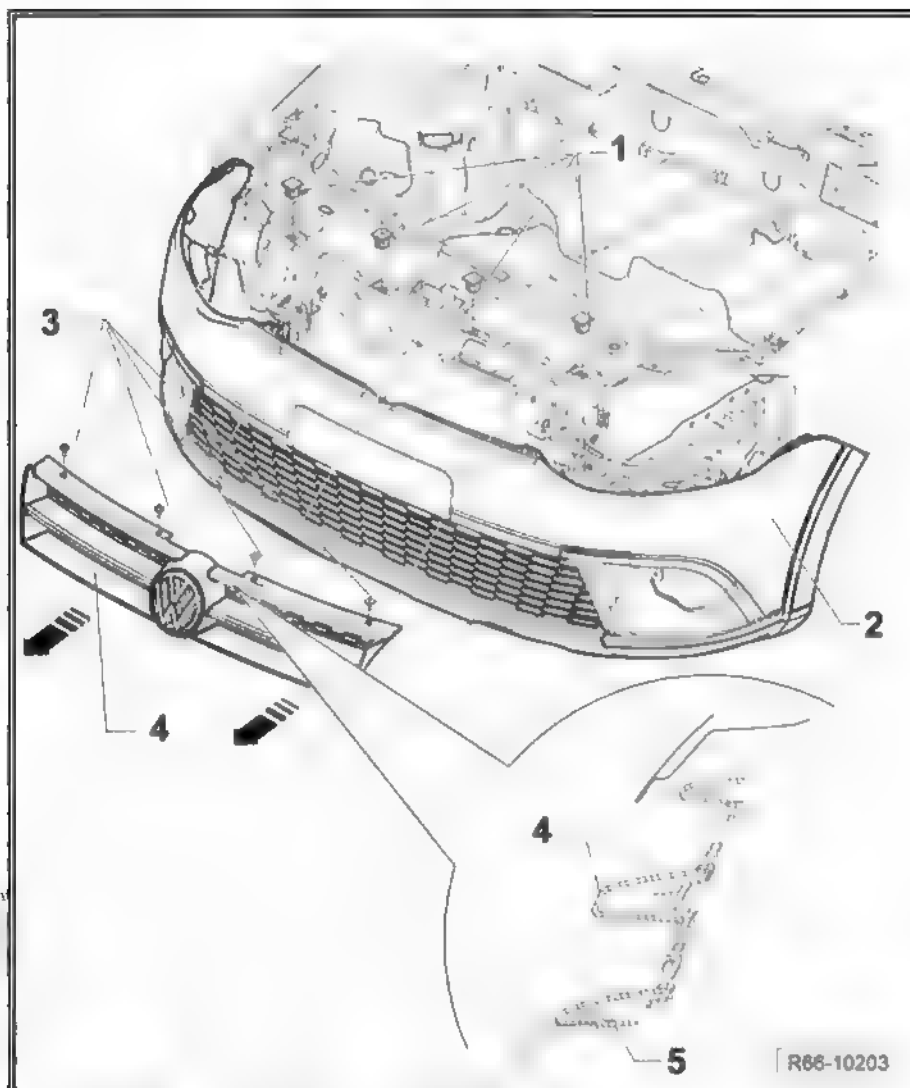
Install

- Installation is performed in the reverse sequence to the removal

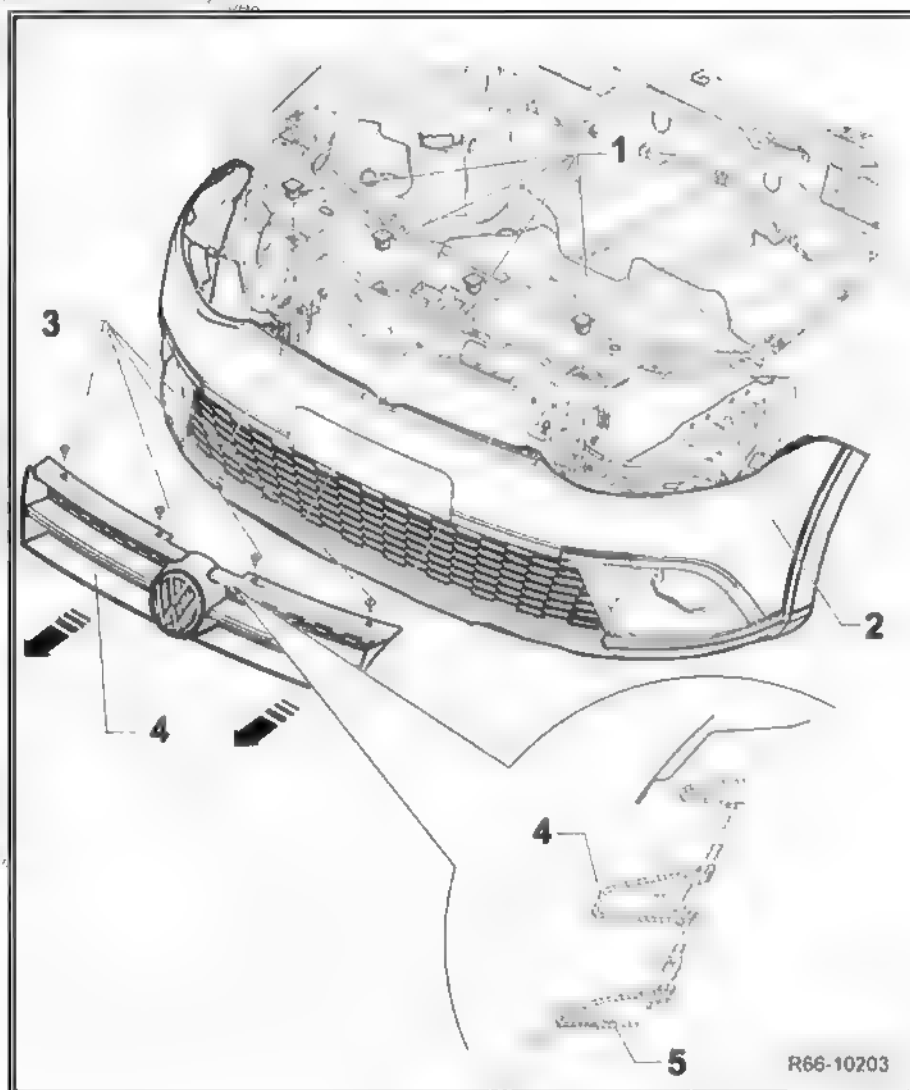


9.2 Front grid (New CrossFox) - remove and install

- 1 - Bushing
 - 4 parts
 - replace if necessary
- 2 - Front protector
- 3 - Screw
 - 4 parts
 - Torque: 1.5 Nm
- 4 - Front grid with badge
- 5 - Lower fastening tab



Remove



- Remove the screws -3-.
- Press the front grid with your hands to disengage tab -3- from bumper front protector.



Caution

Use of safety gloves is recommended because of the front grid's pointed edges.

Install

- Installation is performed in the reverse sequence to the removal



10 Wheel case protector

10.1 Front wheel case protector - remove and install

1 - Wheel case protector

- ☐ remove
- Remove the wheel
Tightening torque for
the wheel screws ⇒
Chassis; Rep. gr. 44 ;
Wheels, tires, vehicle di-
mensions
- Remove screws -2- and
wheel case protector.

2 - Screw

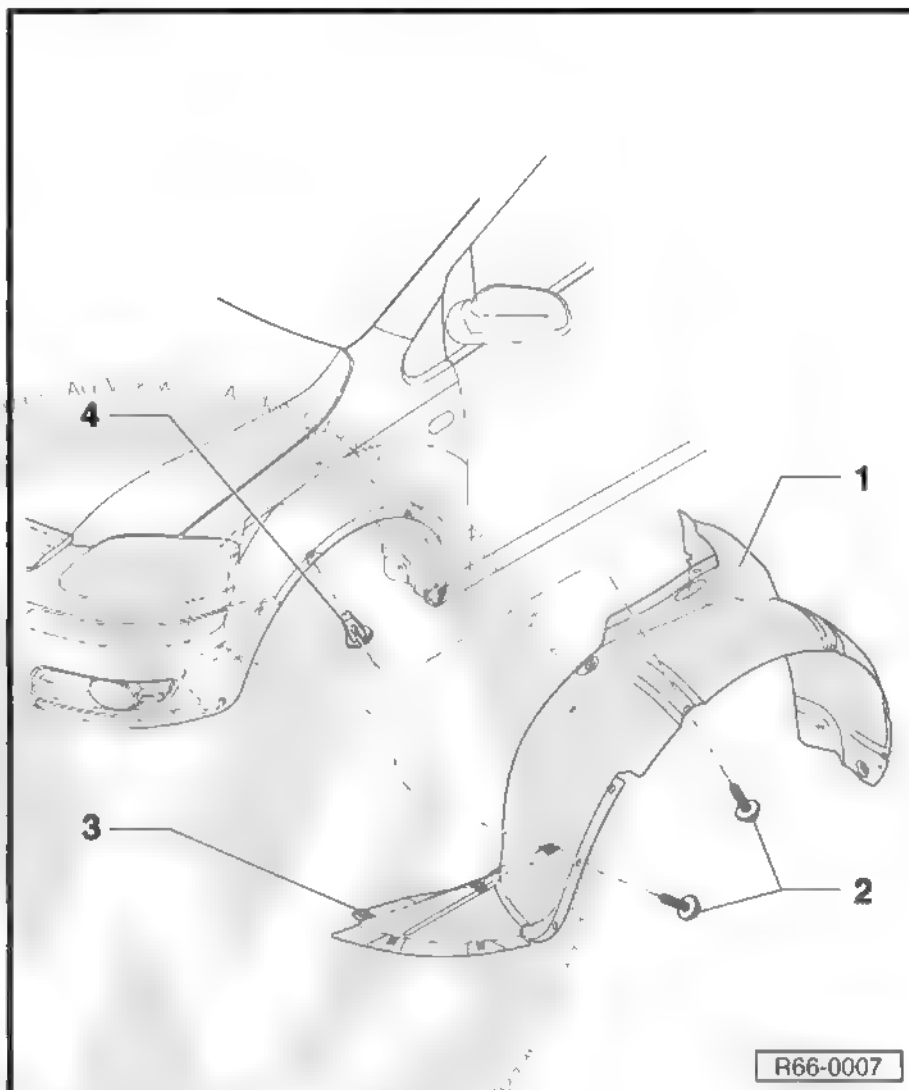
- ☐ 13 parts
- ☐ Torque: 1.5 Nm

3 - Quick nut

- ☐ 3 parts

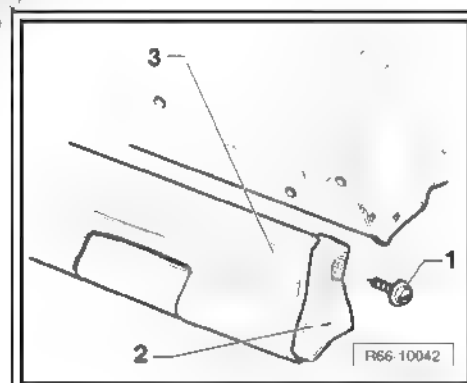
4 - Bushing

- ☐ 8 parts
- ☐ replace if necessary



Note

For models with lower longitudinal member trim -3-, screw -1- must be removed and cover -2- must be disengaged in order to remove wheel case protector.





10.2 Rear wheel case protector - remove and install

1 - Wheel case protector

- ☐ remove
- Remove the wheel
Tightening torque for
the wheel screws ➤
Chassis; Rep. gr. 44 ;
Wheels, tires, vehicle di-
mensions
- Remove screws -3- and
wheel case protector.

2 - Quick nut

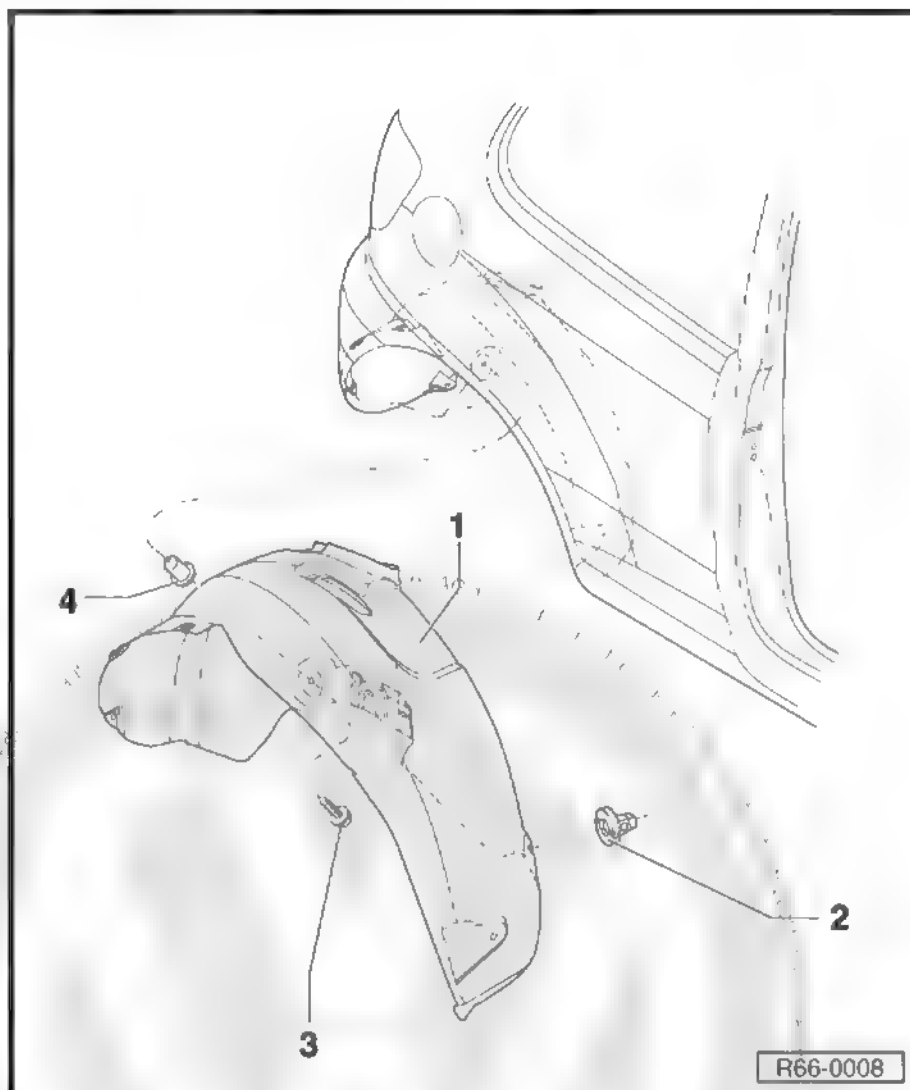
- ☐ 3 parts

3 - Screw

- ☐ 8 parts
- ☐ Torque: 1.5 Nm

4 - Bushing

- ☐ 2 parts
- ☐ replace if necessary

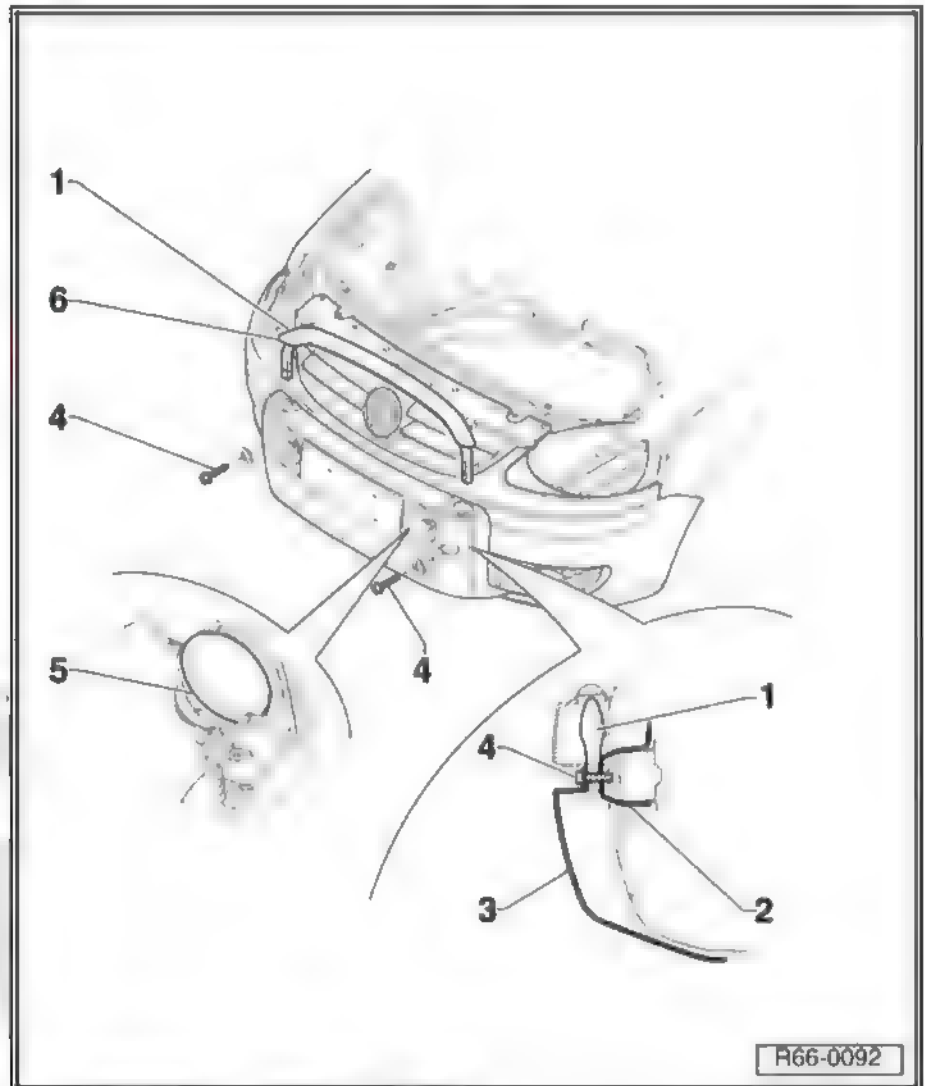




11 Central bumper protector - (Cross-Fox)

11.1 Front bumper central protector (CrossFox , ▶ 2007) - general overview of assembly

- 1 - Cross member
- 2 - Lower cross member
- 3 - Central bumper protector
 - ❑ Remove and install
⇒ [page 299](#)
- 4 - Screw
 - ❑ 2 parts
 - ❑ Torque: 40 Nm
- 5 - Long-range headlights
- 6 - Finishing rubber

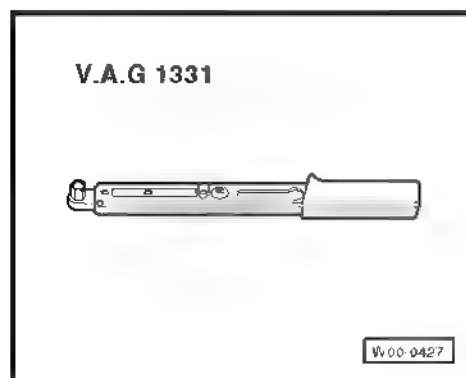


11.2 Front bumper central protector (Cross-Fox , ▶ 2007) - remove and install

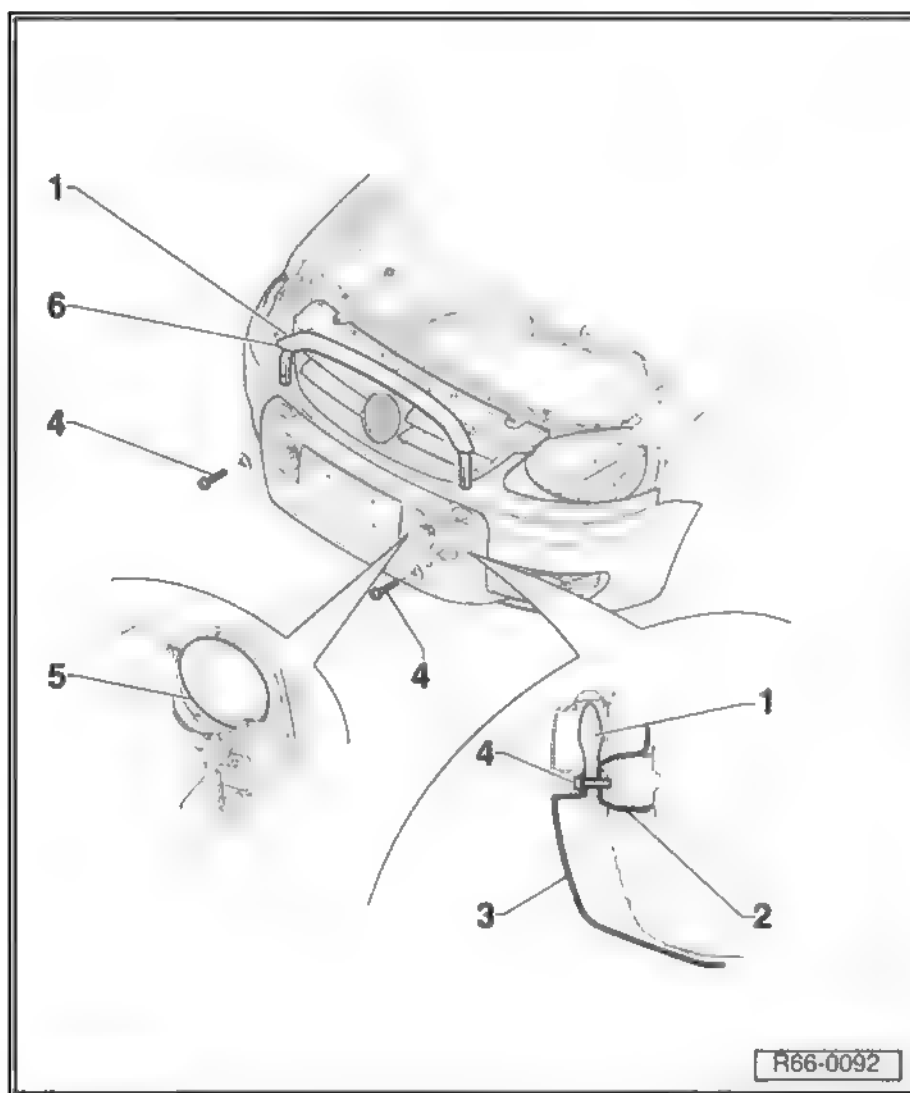
Special tools and workshop equipment required



- ♦ "Torque wrench - 5 to 50 Nm (enc. 1/2")" -VAG 1331-



Remove



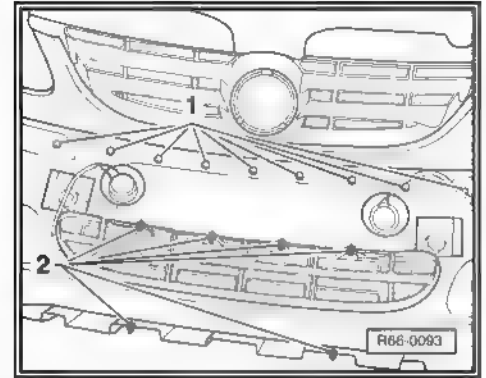
- Remove the screws -4- (40 Nm)
- Remove cross member -1- and finishing rubber -6-
- Remove front bumper.



- Remove nuts -1- and screws -2-.
- Remove protector.
- Remove long-range headlights

Install

- Installation is performed in the reverse sequence to the removal



11.3 Front bumper central protector (CrossFox , > 2008) - remove and install

1 - Cover

- ☐ fitted to central protector.
- ☐ central protector removal is necessary in order to remove.

2 - Screw

- ☐ 4 parts

3 - Central protector

- ☐ Remove
 - Remove front protector.
 - Remove screws -2- and nuts -6-.
 - Carefully disengage protector.
- ☐ Install
 - Installation is performed in the reverse sequence to the removal.

4 - Long-range headlights

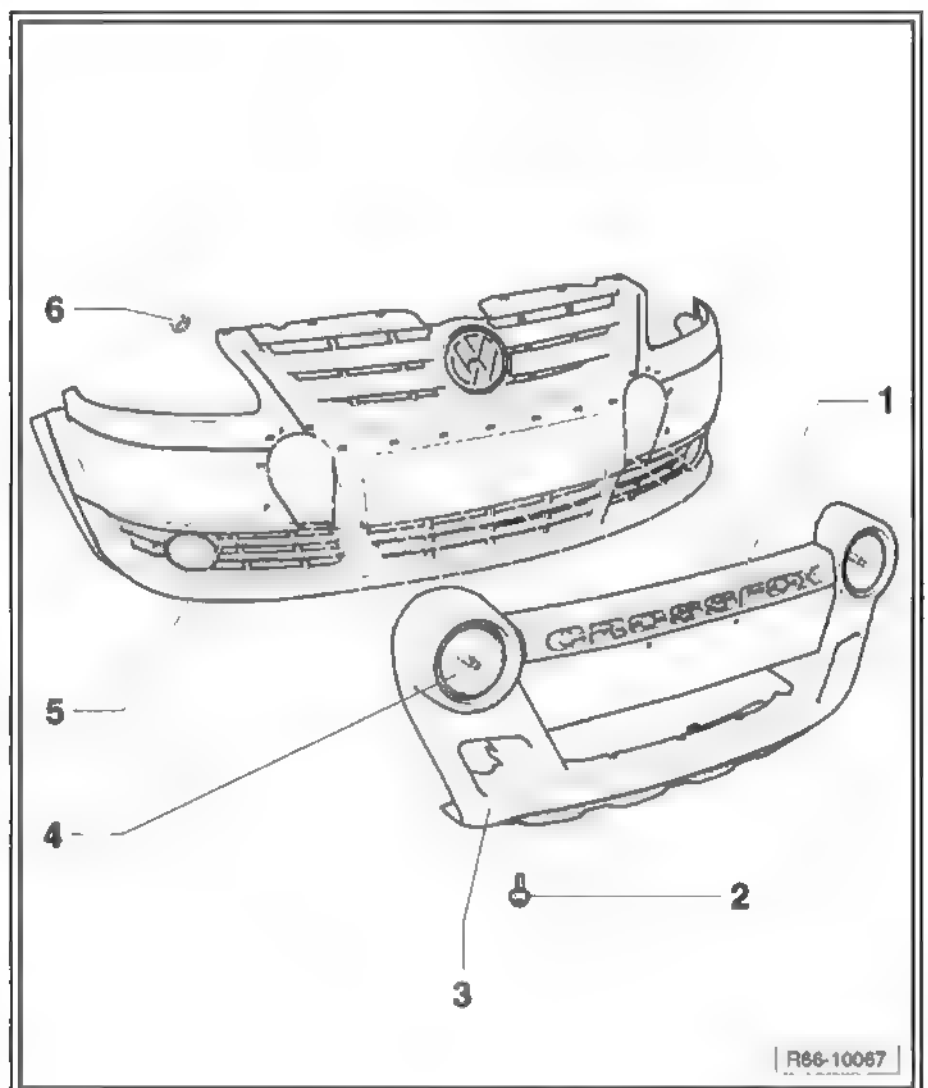
- ☐ ⇒ Electrical equipment; Rep. gr. 94 ; Switches, lights and external lamps .

5 - Front protector

- ☐ Remove and install

6 - Nut with integrated washer

- ☐ 15 parts





11.4 Rear bumper central protector (CrossFox) - remove and install

1 - Spare wheel support passage frame

2 - Central bumper protector

☐ Remove

- Remove rear protector .

- Remove nuts -6- .

- Disengage and remove the protector

☐ Install

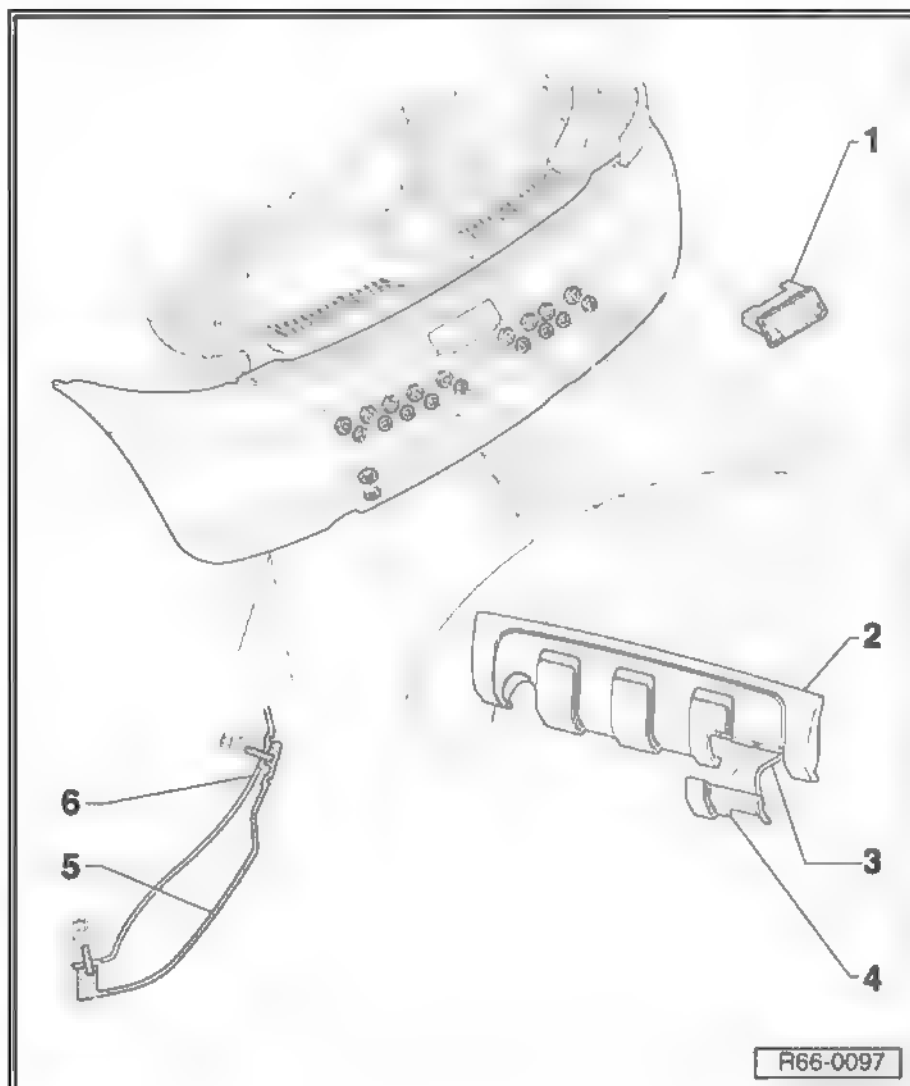
- Installation is performed in the reverse sequence to the removal.

3 - Cable

4 - Tow hook access finishing

5 - Washer

6 - Nut





12 External linings

12.1 Lower windscreen covering - assembly overview

1 - Lower windscreen covering

- ☐ remove and install
⇒ [page 304](#)

2 - Sealing packing

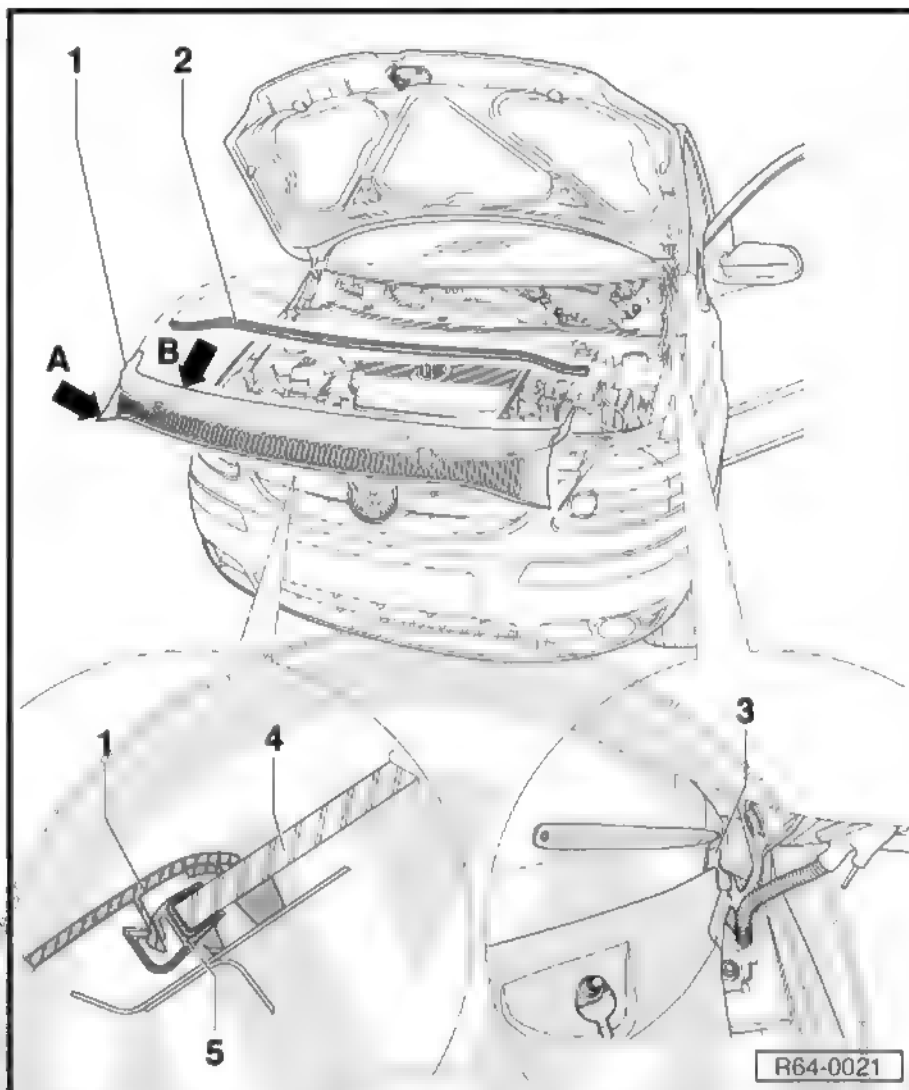
- ☐ fitted to water reservoir
flange

3 - Cap

- ☐ on water case cover.

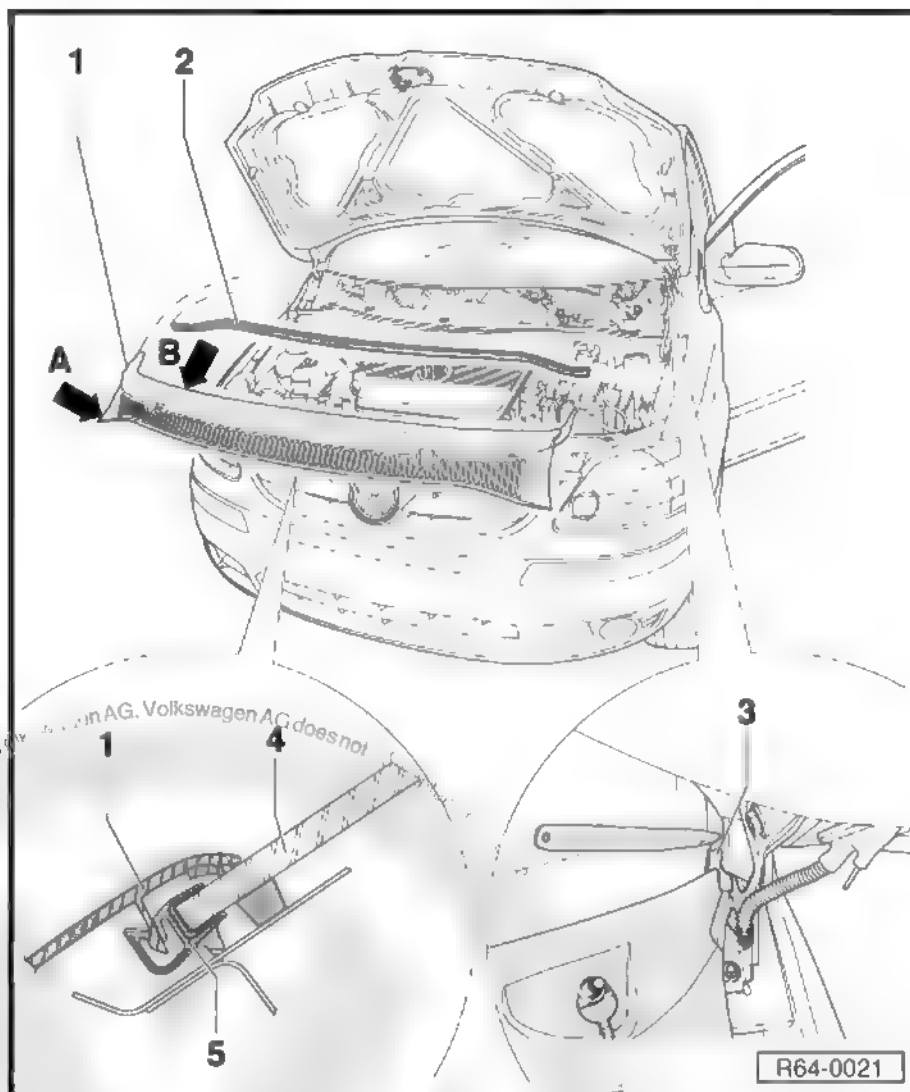
4 - Windscreen

5 - Fitting trim



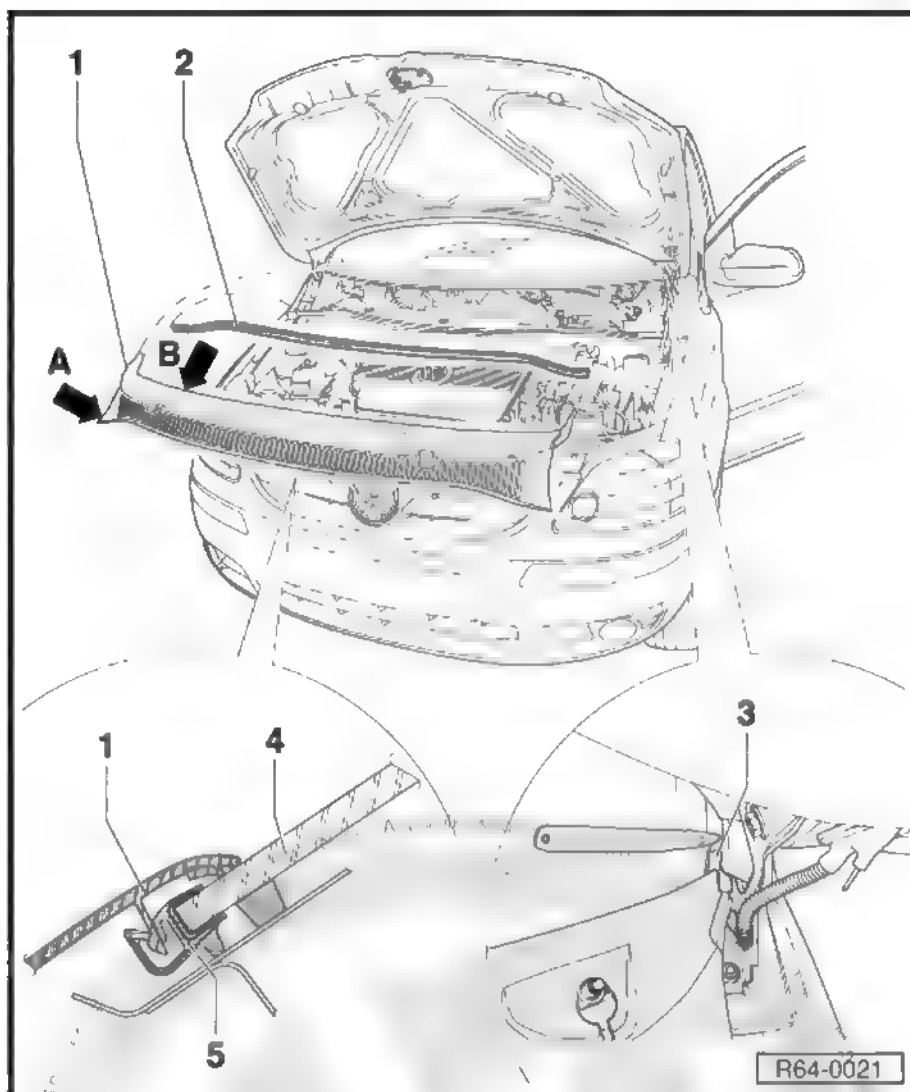


12.2 Lower windscreen covering - remove and install



Remove

- Remove the windscreen wiper arms ⇒ Electrical system; Rep. gr. 92; Windscreen wiper
- Remove the sealing packing -2- at full length.
- With a plastic wedge (for instance, that of -V.A.G 1755-), press windscreen lower lining -1- tabs -3- forward from left and right between hinge and front lid.
- Carefully pull windscreen lower lining upward -1- from right -arrow A- out of fitting trim -5- on the windscreen -4-.



Install

- To better fasten the lower windscreen lining -1- to the fitting trim -5-, apply a neutral soap solution.
- Place windscreen lower lining -1- on the windscreen -4- fitting trim -5- and, starting from center section -arrow B-, fit the windscreen lower lining to support -5- by slightly pressing it.
- With a plastic wedge (for instance, that of -V A G 1755-), place windscreen lower lining -1- covers -3- on installation position at left and right between hinge and front lid.
- Press sealing packing over lower lining -2-.
- Install the windscreen wiper arms - Electrical system; Rep. gr. 92 , Windscreen wiper .



12.3 Floor lower lining - assembly overview

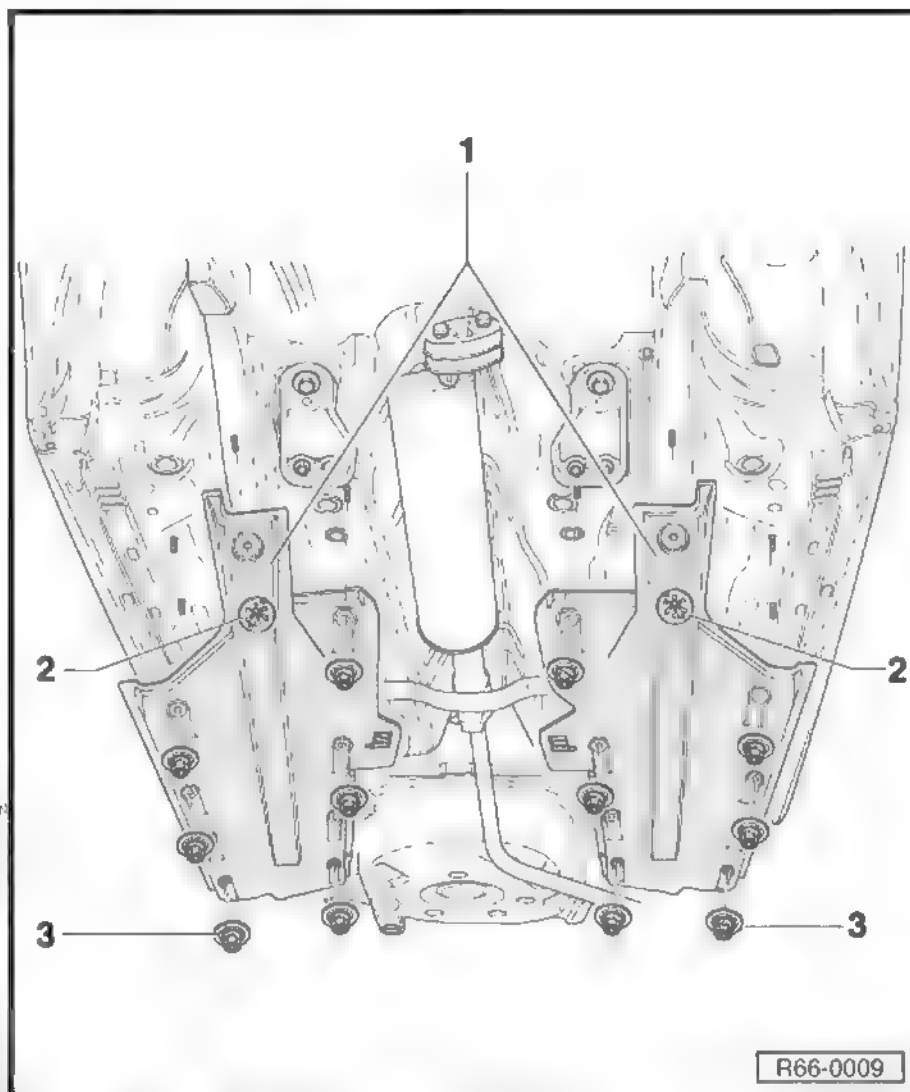
1 - Lining

2 - Fastening washer

- ☐ Torque: 1.5 Nm
- ☐ fastened to body threaded pin
- ☐ on assembly it must be fastened, not pressed

3 - Plastic nut

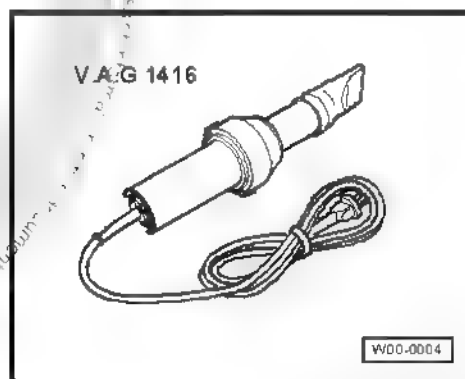
- ☐ Torque: 1.5 Nm
- ☐ fastened to lining through tabs
- ☐ fastened to body threaded pin



12.4 Lower longitudinal member external lining - replace

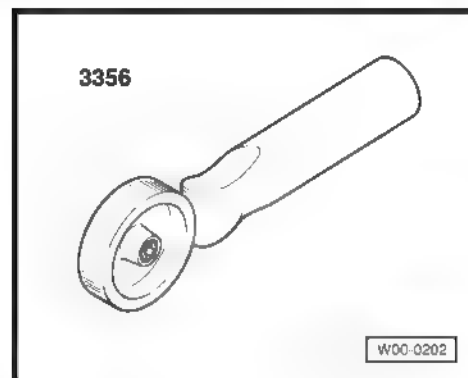
Special tools and workshop equipment required

- ◆ Hot air blower -VAG 1416-





◆ Pressure roll -3356-



1 - Lower longitudinal member external lining

- ☐ self-adhesive
- ☐ Before removing, you must heat up the lining with the hot air blower - VAG 1416- .
- ☐ Remove adhesive tape liner, place lining and firmly press it with a pressure roll -3356-. Operating temperature approx. 20°C.

2 - Lower longitudinal member external lining (Crossfox)

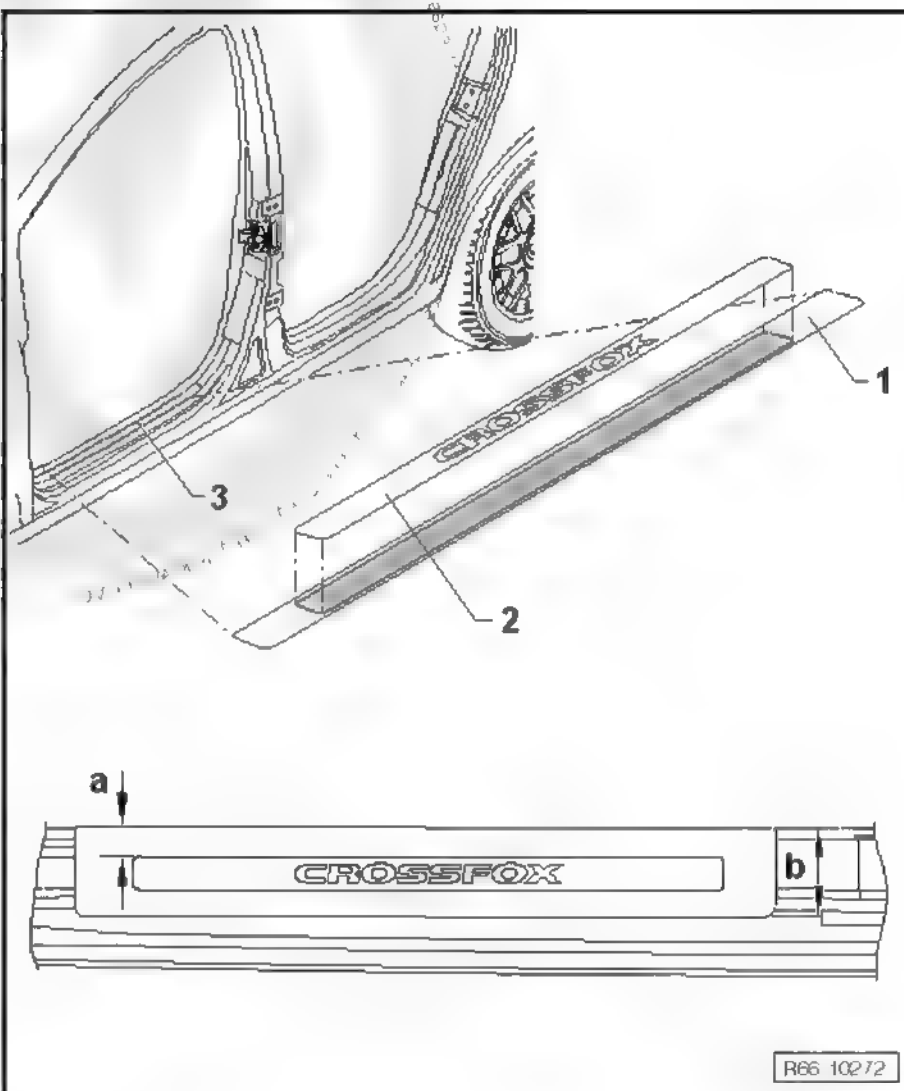
- ☐ self-adhesive
- ☐ Glued under the external lining of the lower member
- ☐ Clean the external lining of the lower member with cleaning solution -D 009 401 04- .
- ☐ Remove adhesive tape liner, place lining and firmly press it with a pressure roll -3356-. Operating temperature approx. 20°C.

a = 18 mm

b = 70 mm

3 - Front door external lining assembly area

- ☐ Clean the area using adhesive remover -D 002 000 10- , then apply the cleaning solution -D 009 401 04- .

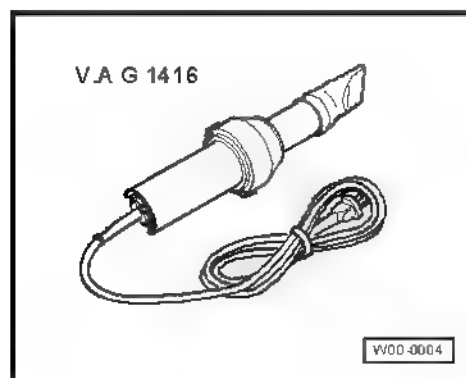


12.5 Pillar and door external lining - replace

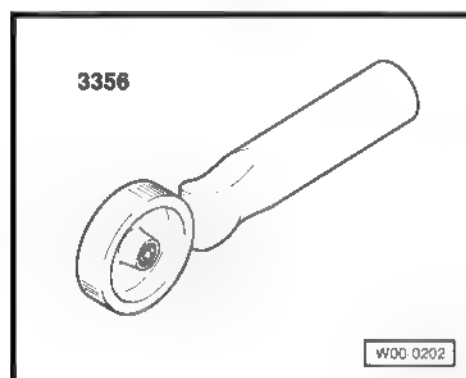
Special tools and workshop equipment required



◆ Hot air blower -VAG 1416-



◆ Pressure roll -3356-





1 - Front door external lining assembly area

- ☐ Clean the area using adhesive remover -D 002 000 10-, then apply the cleaning solution -D 009 401 04-.

2 - Rear door external lining assembly area (rear section)

- ☐ Clean the area using adhesive remover -D 002 000 10-, then apply the cleaning solution -D 009 401 04-.

3 - Rear door external lining assembly area (front section)

- ☐ Clean the area using adhesive remover -D 002 000 10-, then apply the cleaning solution -D 009 401 04-.

4 - Rear door external lining (rear section)

- ☐ self-adhesive
- ☐ Before removing, you must heat up the lining with the hot air blower -VAG 1416-.
- ☐ Remove adhesive tape liner, place lining and firmly press it with a pressure roll -3356-. Operating temperature approx. 20°C.

5 - Pillar B external lining assembly area

- ☐ Clean the area using adhesive remover -D 002 000 10-, then apply the cleaning solution -D 009 401 04-.

6 - Central pillar external lining

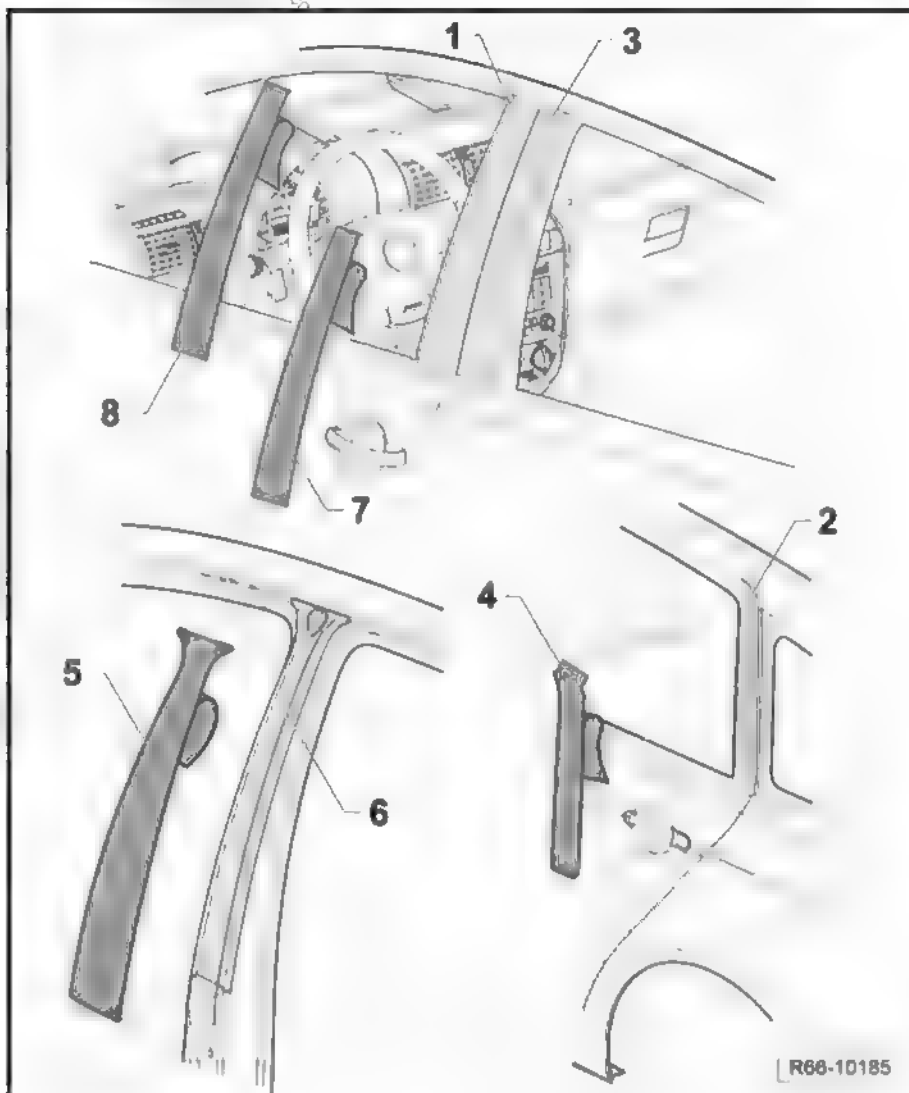
- ☐ self-adhesive
- ☐ Before removing, you must heat up the lining with the hot air blower -VAG 1416-.
- ☐ Remove adhesive tape liner, place lining and firmly press it with a pressure roll -3356-. Operating temperature approx. 20°C.

7 - Rear door external lining

- ☐ self-adhesive
- ☐ Before removing, you must heat up the lining with the hot air blower -VAG 1416-.
- ☐ Remove adhesive tape liner, place lining and firmly press it with a pressure roll -3356-. Operating temperature approx. 20°C.

8 - Front door external lining

- ☐ self-adhesive
- ☐ Before removing, you must heat up the lining with the hot air blower -VAG 1416-.
- ☐ Remove adhesive tape liner, place lining and firmly press it with a pressure roll -3356-. Operating temperature approx. 20°C.





13 Rear and front spoiler (Fox)

13.1 Front spoiler (09.06 ➤) - remove and install

1 - Nut + washer

2 - Screw

3 - Front spoiler

☐ remove

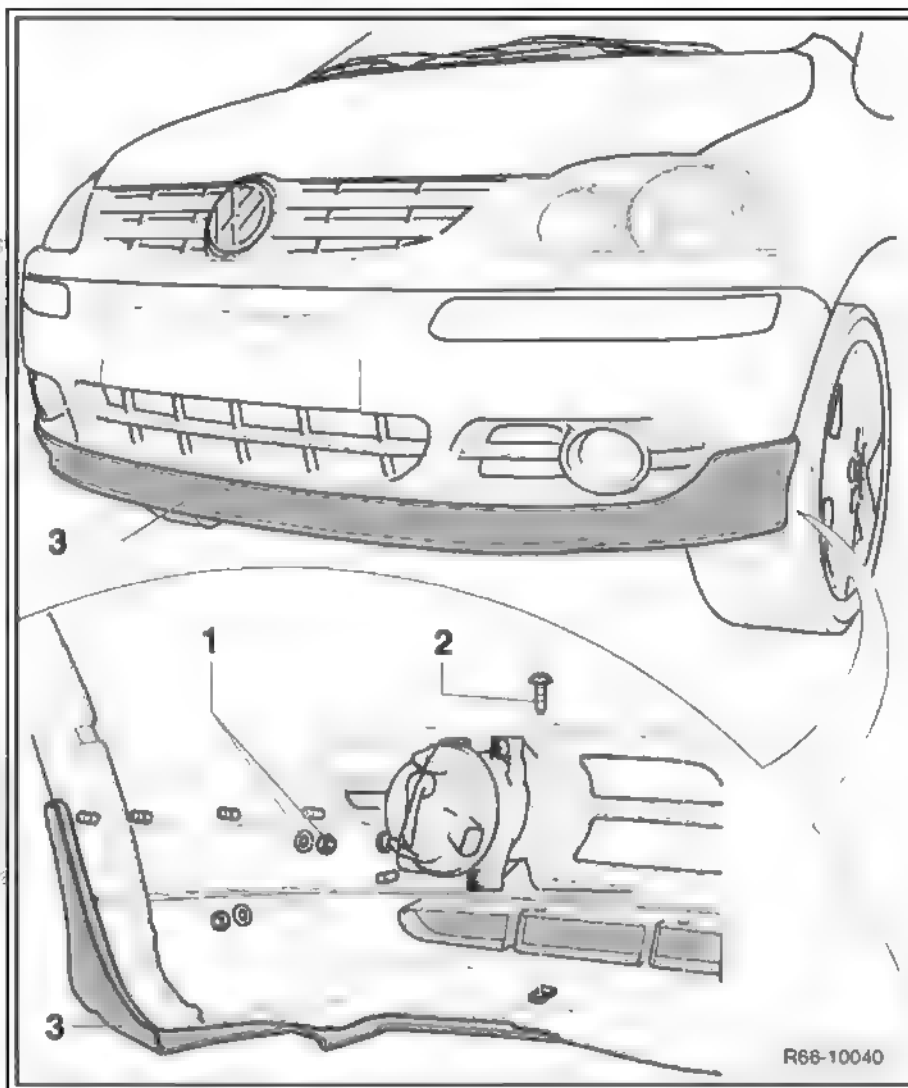
- Remove front protector of bumper.

- Remove nuts + washers -1- and screws -2-.

- Disengage and remove the spoiler.

☐ install

- Installation is performed in the reverse sequence to the removal.





13.2 Rear spoiler (09.06 >) - remove and install

1 - Tow hook cover

2 - Nut + washer

3 - Rear spoiler

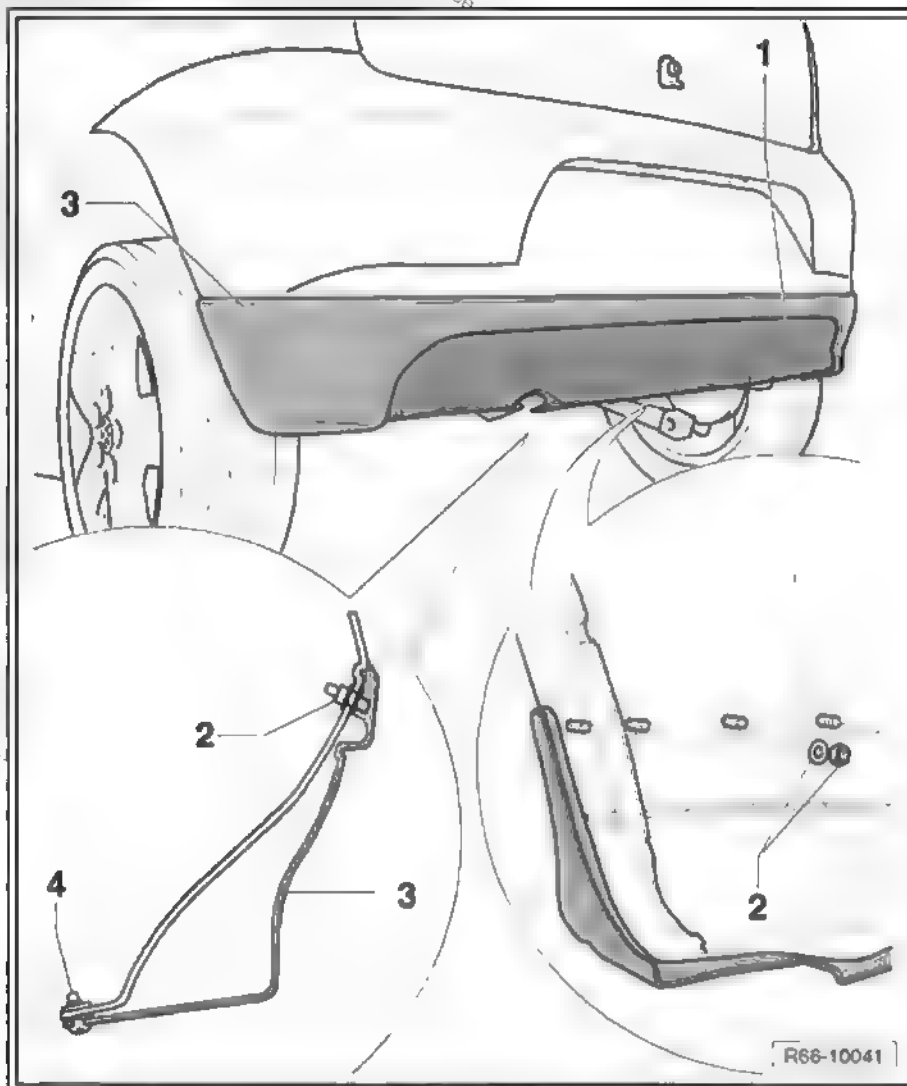
☐ remove

- Remove rear bumper protector .
- Remove nuts + washers -1- and screw -2-.
- Disengage and remove the spoiler.

☐ install

- Installation is performed in the reverse sequence to the removal.

4 - Screw



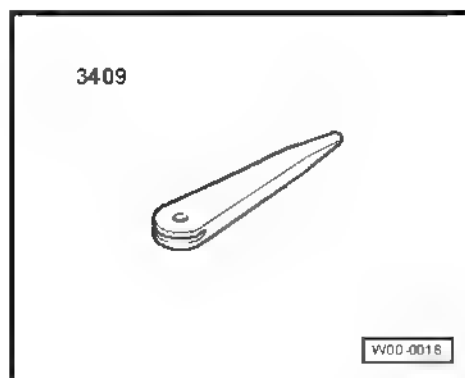


14 Spoiler grids and bumper protector trims

14.1 Front protector grids (New Fox) - assembly overview

Special tools and workshop equipment required

- ◆ Wedge -3409-



1 - Front protector

- Remove and install

2 - Left front protector grid

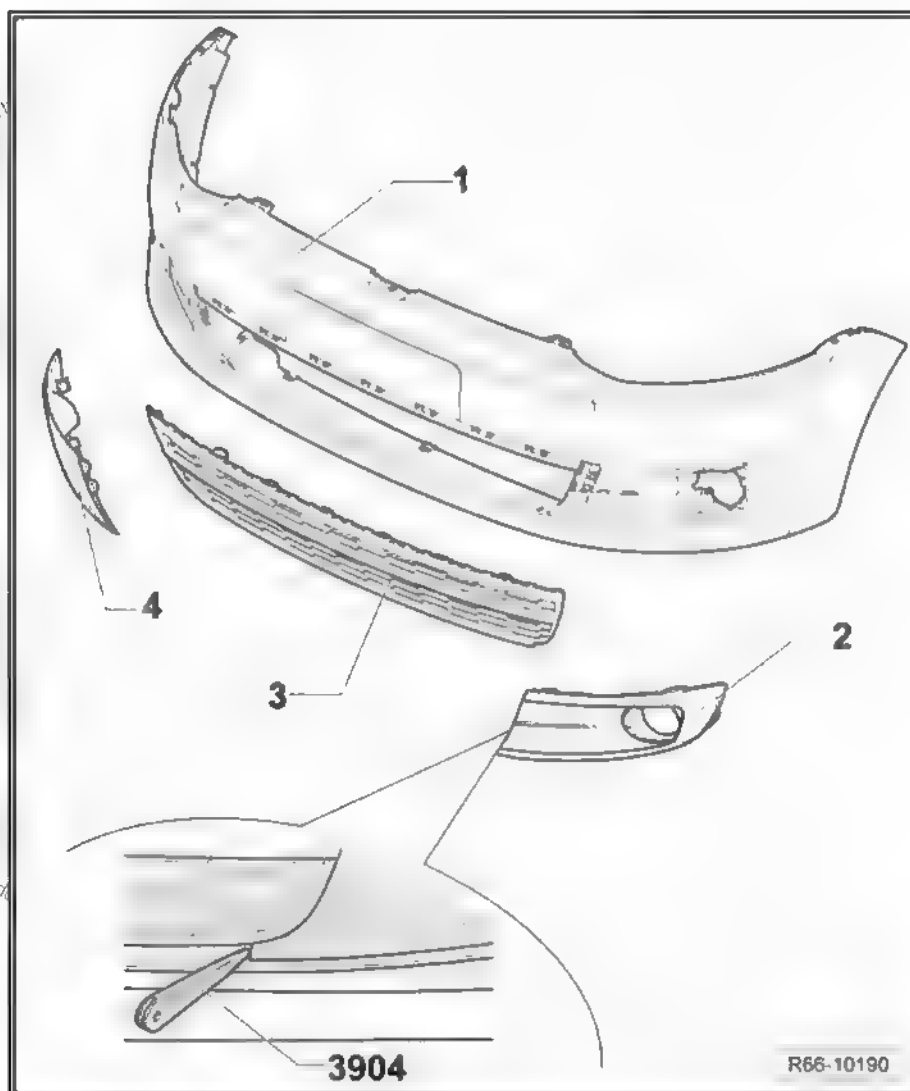
- fastened to front protector by fastening tabs.
- unlock grid with a wedge -3409-

3 - Front protector's central grid

- fastened to front protector by fastening tabs.
- remove front protector to access the tabs.
- carefully disengage the securing tabs from the central grid.

4 - Front protector's side grid

- fastened to front protector by fastening tabs.
- unlock grid with a wedge -3409-

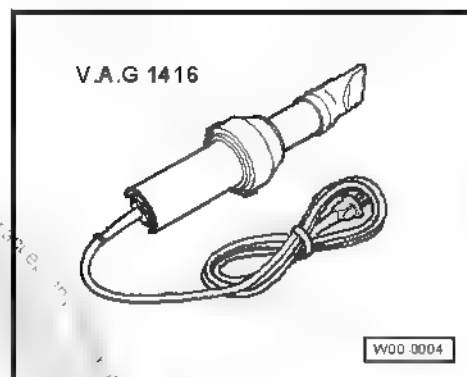




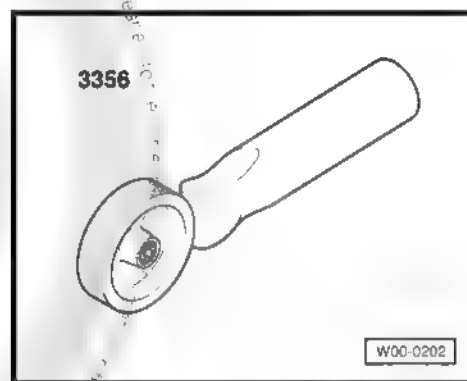
14.2 Grids, front protector trim, spoiler (New CrossFox) - assembly overview

Special tools and workshop equipment required

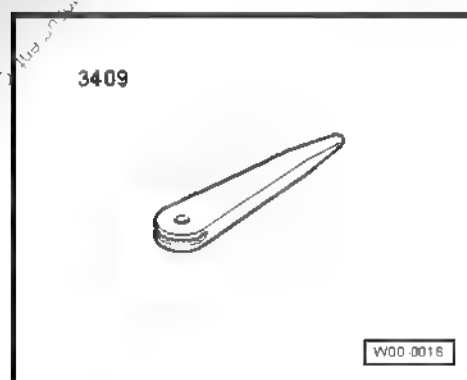
◆ Hot air blower -VAG 1416-



◆ Pressure roll -3356-



◆ Wedge -3409-





1 - Double-sided adhesive tape

- ☐ The adhesive tape adhesion area must be completely free of dirt
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched

2 - Front protector

- ☐ Remove and install

3 - Front protector trim

- ☐ Self-adherent
- ☐ Remove circlips -4- and the screw -2-.
- ☐ Before removing, you must heat up the lining with the hot air blower - VAG 1416- .
- ☐ Clean the area using adhesive remover -D 002 000 10- , then apply the cleaning solution -D 009 401 04- .
- ☐ Remove the adhesive tape liner, position the trim. Operating temperature approx. 20°C.

4 - Circlip

5 - Quick nut

6 - Screw

- ☐ Torque: 1,5 Nm

7 - Left front protector grid

- ☐ fastened to front protector by fastening tabs.
- ☐ unlock grid with a wedge -3409- .

8 - Screw

- ☐ Torque: 1,5 Nm

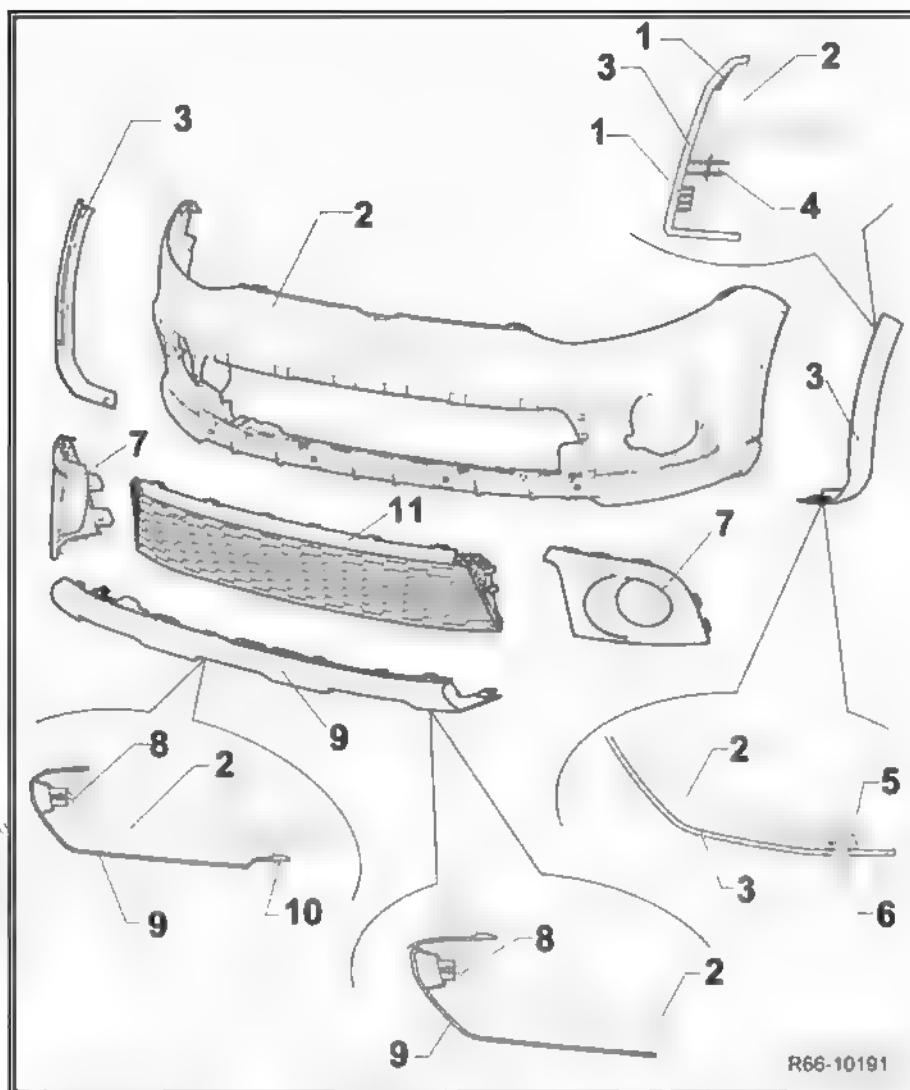
9 - Front spoiler

- ☐ remove
 - Remove front protector of bumper .
 - Remove screws -8- and disengage the lining -10-.
 - Disengage and remove the spoiler.
- ☐ install
 - Installation is performed in the reverse sequence to the removal.

10 - Fitting tab

11 - Front protector's central grid

- ☐ fastened to front protector by fastening tabs.
- ☐ the side grid must be removed
- ☐ remove front protector to access the tabs
- ☐ carefully disengage the securing tabs from the central grid.





14.3 Rear protector trim, spoiler (New CrossFox) - assembly overview

1 - Rear protector trim

- ☐ Self-adherent
- ☐ Remove circlips -4- and the screw -2-
- ☐ Before removing, you must heat up the lining with the hot air blower - VAG 1416- .
- ☐ Clean the area using adhesive remover -D 002 000 10- , then apply the cleaning solution -D 009 401 04- .
- ☐ Remove the adhesive tape liner, position the trim. Operating temperature approx. 20°C.

2 - Rear wheel case protector

3 - Circlip

4 - Double-sided adhesive tape

- ☐ The adhesive tape adhesion area must be completely free of dirt.
- ☐ Under no circumstances should the self-adhesive surface of the tape be touched.

5 - Rear spoiler

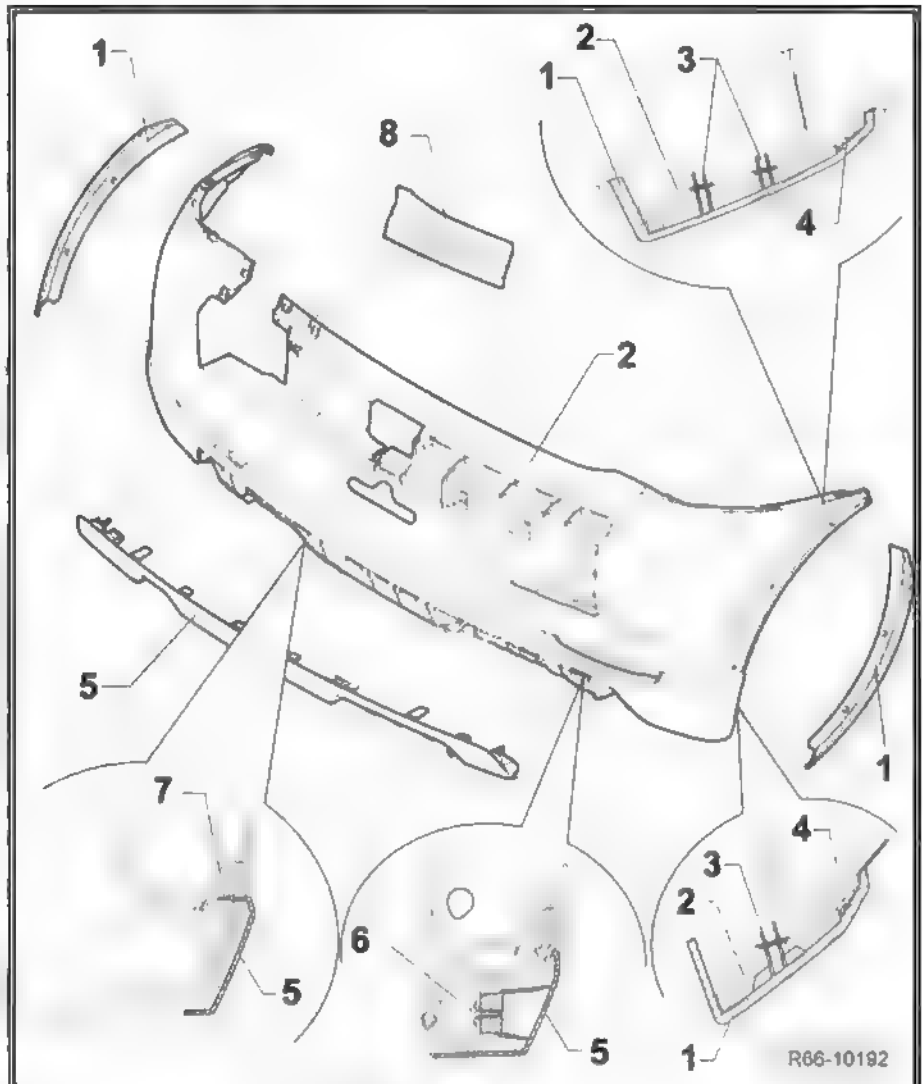
- ☐ remove
 - Remove rear bumper protector .
 - Remove screws -2- and screw -4-.
 - Disengage and remove the spoiler.
- ☐ install
 - Installation is performed in the reverse sequence to the removal.

6 - Screw

7 - Fitting tab

8 - Rear protector extension

- ☐ for spare wheel support



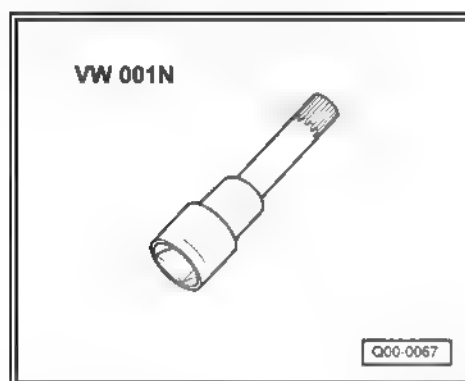


15 Spare wheel support (CrossFox)

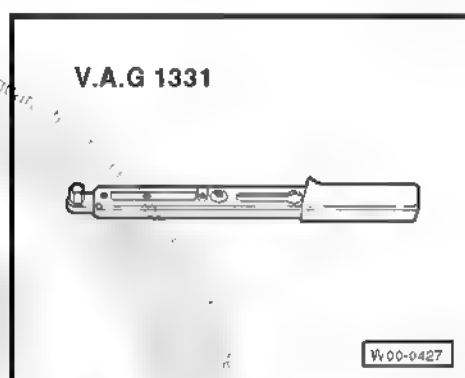
15.1 Spare wheel support upper (fixed) hinge - remove and install

Special tools and workshop equipment required

- ◆ Multi-teeth socket - M11/M12 (enc. 1/2") -VW 001N ou 3452 ou Gedore - INX19L-12-



- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-





1 - Screw

- ☐ Torque: 25 Nm
- ☐ upper hinge fastening

2 - Screw

- ☐ remove it with multi-tooth socket - M11 / M12 (fit. 1/2") - VW 001N ou 3452 ou Gedore - INX19L-12-
- ☐ Torque: 30 Nm

3 - Plug

4 - Upper hinge

- ☐ Remove
 - Remove spare wheel support.
 - Remove plugs -3- and screws -2-.
- ☐ Install
 - Replace hinge sealing.



Note

Sealing deforms permanently and cannot prevent water from the vehicle. Because of this, it must be replaced.

- Installation is performed in the reverse sequence to the removal.

5 - Sealing

- ☐ PVC foam, self-adhesive -5Z6 802 791-
- ☐ „5-mm“ thickness
- ☐ before removal, heat sealing with the hot air blower -VAG 1416- .
- ☐ when installing sealing, clean adhesion area on hinge with adhesive remover -D 002 000 10- and then apply cleaning solution -D 009 401 04-

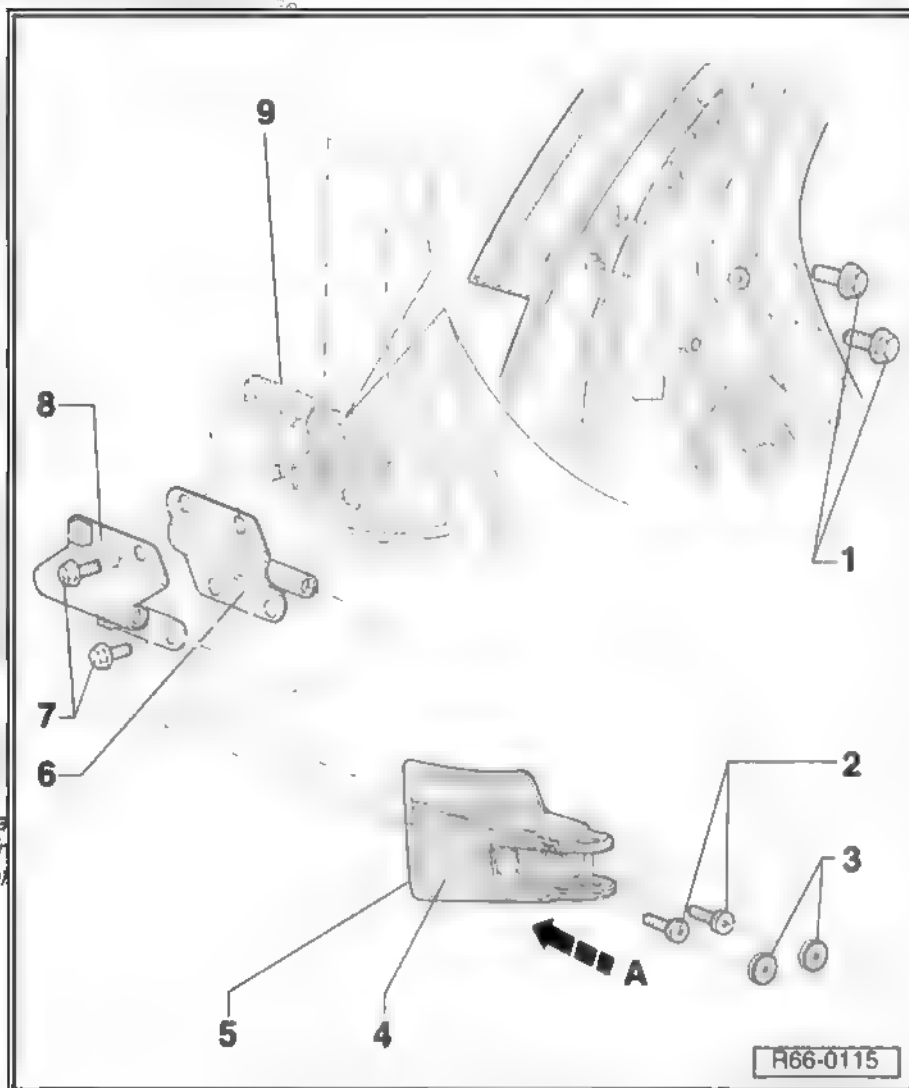
6 - Internal support

7 - Screw

- ☐ Torque: 25 Nm

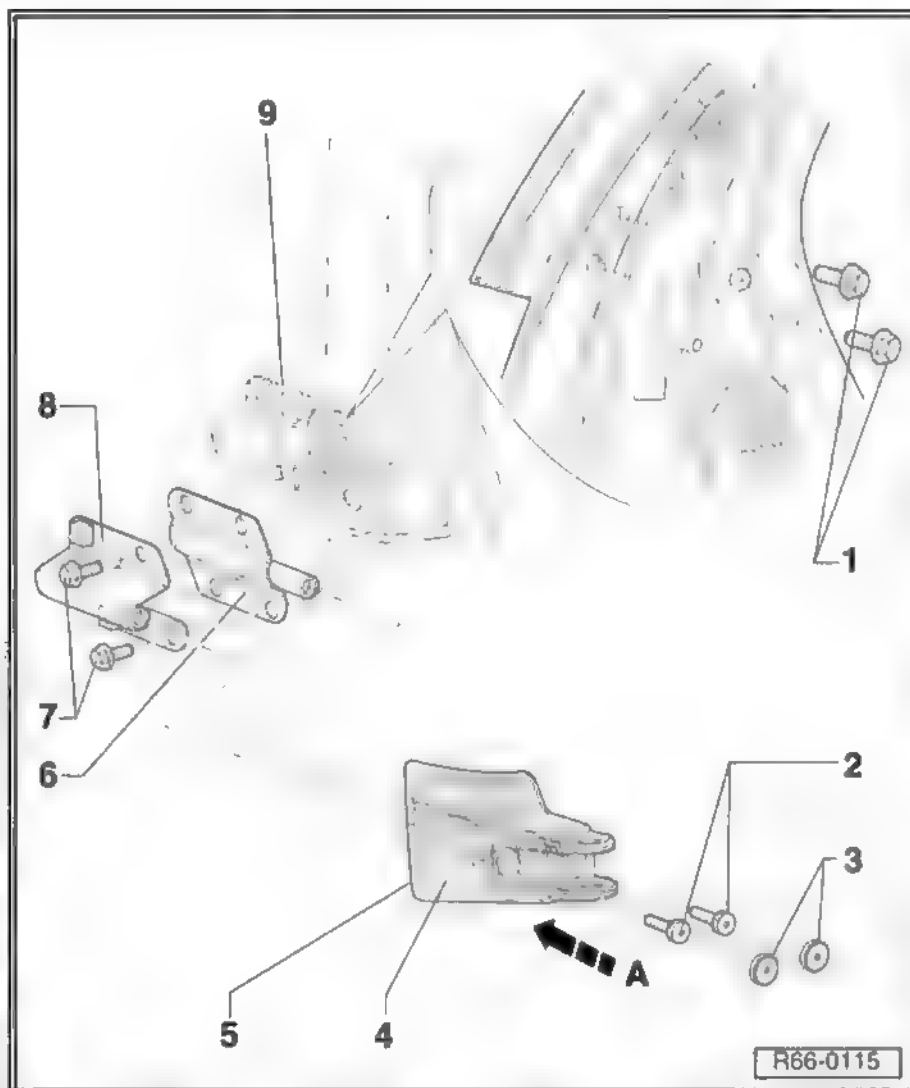
8 - External support

9 - Internal panel





15.2 Spare wheel support upper (fixed) hinge - position adjustment



- Remove hinge.
- Release the screws -1- and -7-.
- Temporarily install hinge. Place hinge towards -arrow A- so that it perfectly aligns with the external side panel.
- Tighten the screws -1-.
- Remove hinge.
- Tighten the screws -7-.
- Install hinge

15.3 Spare wheel support lower (fixed) hinge - remove and install

Special tools and workshop equipment required



- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-

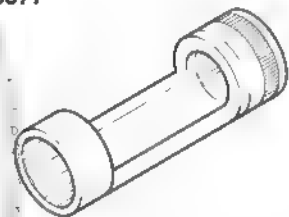
V.A.G 1331



W00-0427

- ◆ 19-mm socket -3077-

3077



W00-0851



1 - Screw

- ☐ Torque: 2 Nm
- ☐ ➤ 2007 only

2 - Spare wheel support unlocking button

- ☐ ➤ 2007 only

3 - Button return spring

- ☐ ➤ 2007 only

4 - Unlocking button movement limiter

- ☐ ➤ 2007 only

5 - Screw

- ☐ Torque: 20 Nm
- ☐ Remove and install
⇒ [page 322](#)
- ☐ upon installation, apply medium torque lock adhesive ⇒ Chemicals Manual

6 - Nut

- ☐ Torque: 30 Nm

7 - Plug

8 - Lower hinge

- ☐ Remove
 - Remove spare wheel support.
 - Remove plugs -7- and nuts -6-.

- ☐ Install
 - Replace hinge sealing.

- Installation is performed in the reverse sequence to the removal.

9 - Sealing

- ☐ PVC foam, self-adhesive -5Z6 802 792-
- ☐ 5-mm thickness
- ☐ before removal, heat sealing with the hot air blower -VAG 1416- .
- ☐ when installing sealing, clean adhesion area on hinge with adhesive remover -D 002 000 10- and then apply cleaning solution -D 009 401 04- .

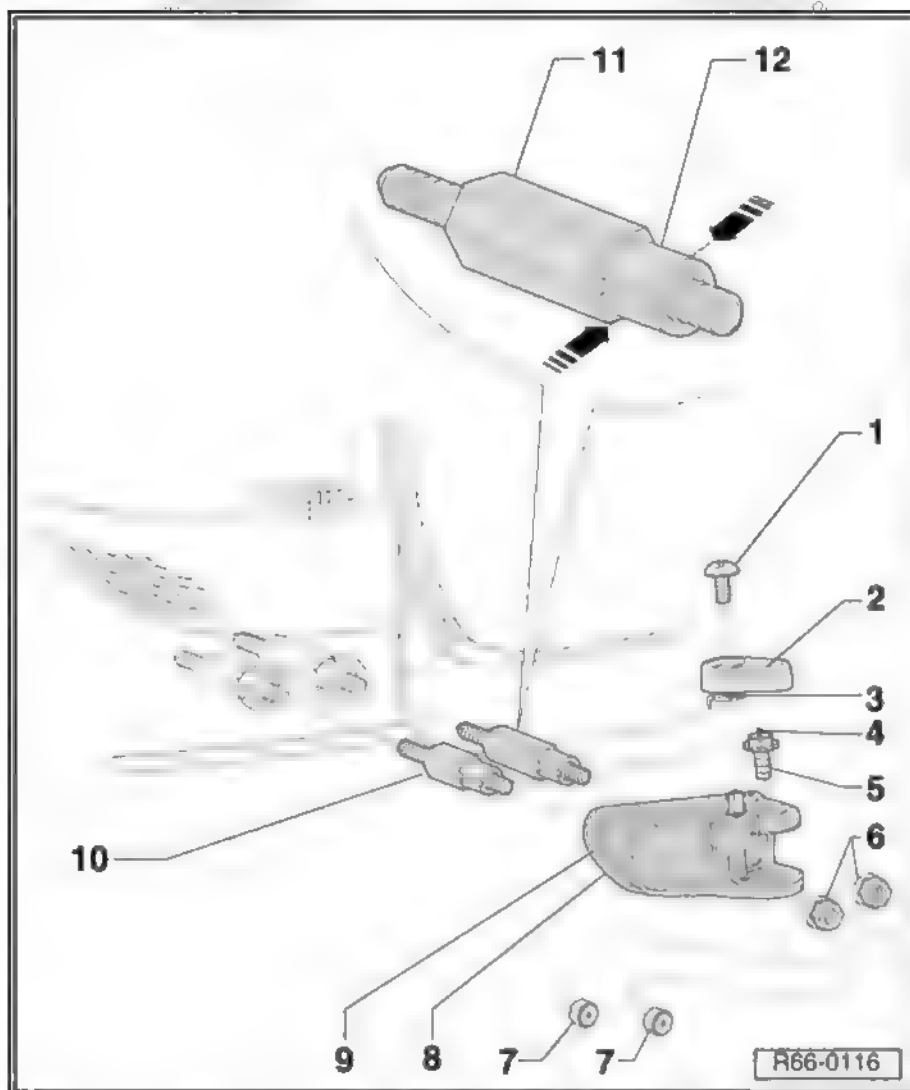
10 - Extender

- ☐ Torque: 40 Nm
- ☐ tighten extender with 19-mm socket -3077-
- ☐ lower hinge fastening

11 - Extender body (hexagonal)

12 - Adjusting nut

- ☐ fastened by anaerobic adhesive.





15.4 Spare wheel support lower (fixed) hinge - position adjustment

Special tools and workshop equipment required

- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-

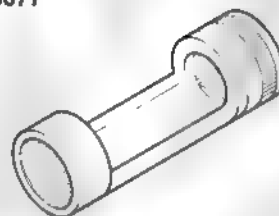
V.A.G 1331



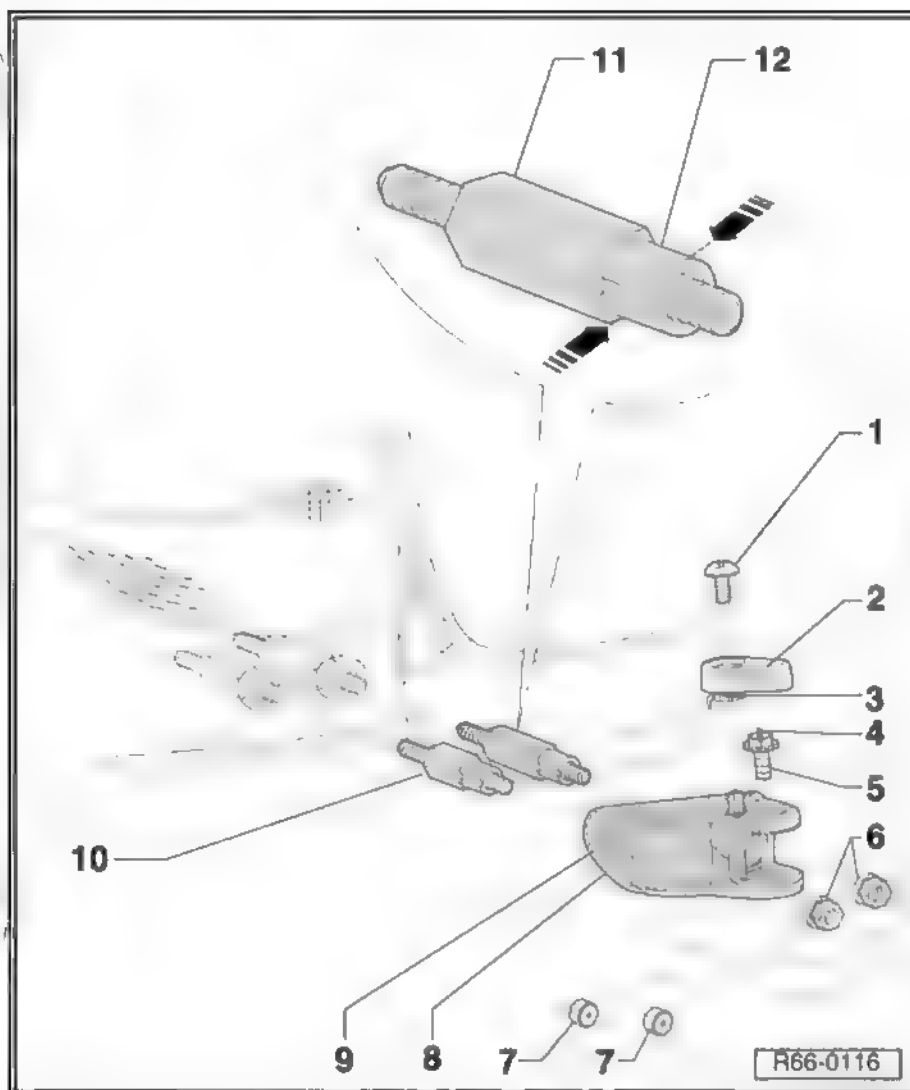
W00-0427

- ◆ 19-mm socket -3077-

3077



W00-0651



- Remove hinge.
- Remove extenders.
- Fasten adjusting nut -arrows- to a vise and tighten or loosen extender body.



Note

Hinge will move away from external side panel by turning extender body to left; and it shall move closer if extender body is turned to right. Note that there must be a clearance between hinge and side panel.

- Install extender with 19-mm socket -3077- .
- Install hinge

15.5 Hinge fastening screws for upper/lower hinges of the external spare wheel cover - remove and install

Special tools and workshop equipment required



- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-

V.A.G 1331



W00 0427

15.5.1 Remove

- Remove spare wheel.



Note

The screws were assembled with medium torque lock adhesive, therefore, follow the procedure in order to release them.

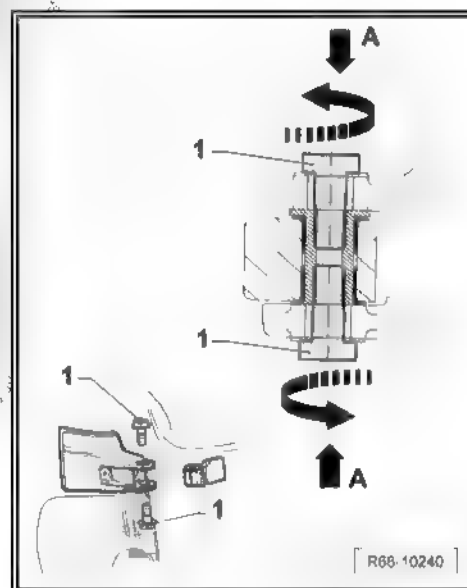
- Slightly tap screws -1-, in the direction of the -arrows A-, with a hammer.



Note

Do not hit screws directly on the head. Use a piece of metal to receive the direct impact in the direction of the -arrows A-.

- With two keys (SW 18) to release the screws -1-simultaneously. If one of the screws breaks the adhesive between the threads of the screw and the bung, re-tighten it.
- Use a hammer to lightly tap the screw -1- that did not release.
- Release the screw -1- that did not release.
- Remove the screws -1-.

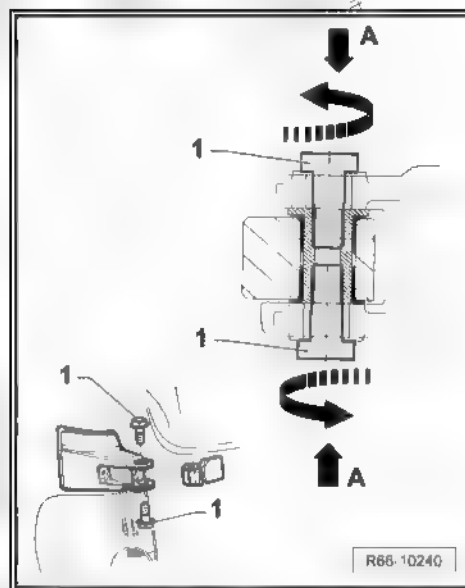


R66-10240



15.5.2 Install

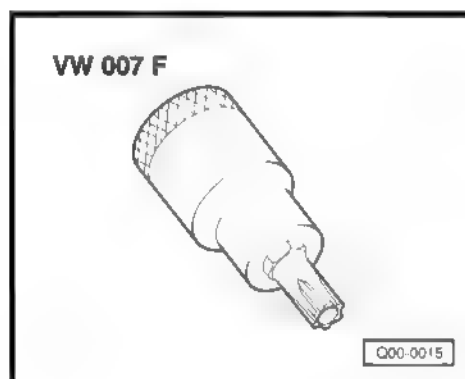
- Clean the threads of the screws and the bung.
- Apply the medium torque lock adhesive → See Chemicals Manual - List of authorized products - Medium torque lock adhesive on the screw threads -1-.
- Remove the screws -1- (20 Nm)



15.6 Spare wheel support (► 2007) remove and install

Special tools and workshop equipment required

- ◆ Multi-tooth socket - M10 (fit. 1/2") -VW007F-





1 - Pin

2 - Screw

- ☐ Use multi-tooth socket - M10 (fit. 1/2") - VW007F- to remove it.
- ☐ Torque: 12 Nm

3 - Screw

4 - Support

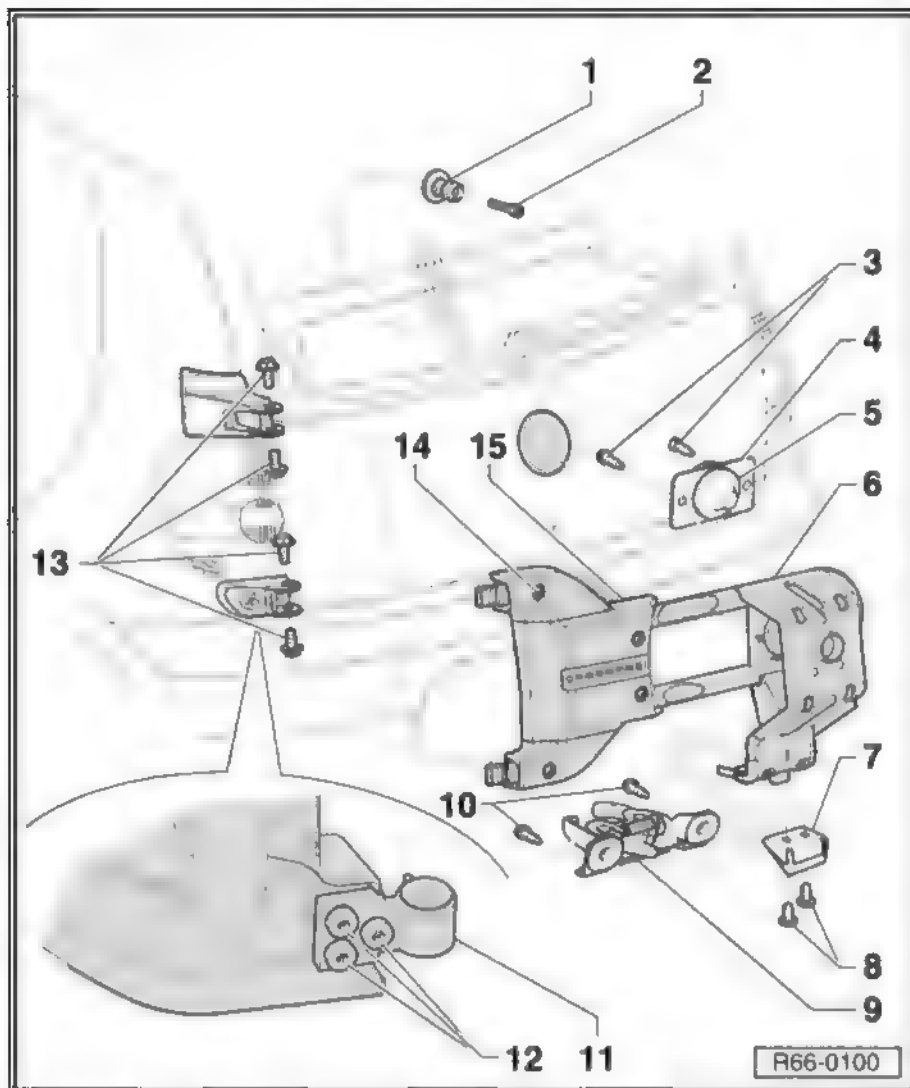
- ☐ adjustable through screws -3-.

5 - Rubber stopper

- ☐ Lubricate buffer on pin support -1- with silicone-based grease -G 000 405 A2-

6 - Support

- ☐ Remove
 - With the help of an assistant, remove screws -13-.
 - Disengage support and remove it.
- ☐ Install
 - Installation is performed in the reverse sequence to the removal.
 - Adjust support position if necessary through hinges (mobile)



7 - Sliding

8 - Screw

9 - Latch

10 - Screw

11 - Hinge (mobile)

- ☐ Adjustable in position through screws -12-.

12 - Screw

- ☐ Torque: 15 Nm

13 - Screw

- ☐ Torque: 20 Nm
- ☐ Remove and install ⇒ [page 322](#)
- ☐ upon installation, apply medium torque lock adhesive ⇒ Chemicals Manual

14 - Screw

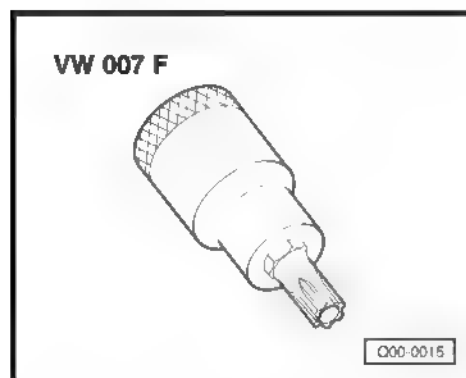
15 - Cover

15.7 Spare wheel support (2008 ▶) - remove and install

Special tools and workshop equipment required

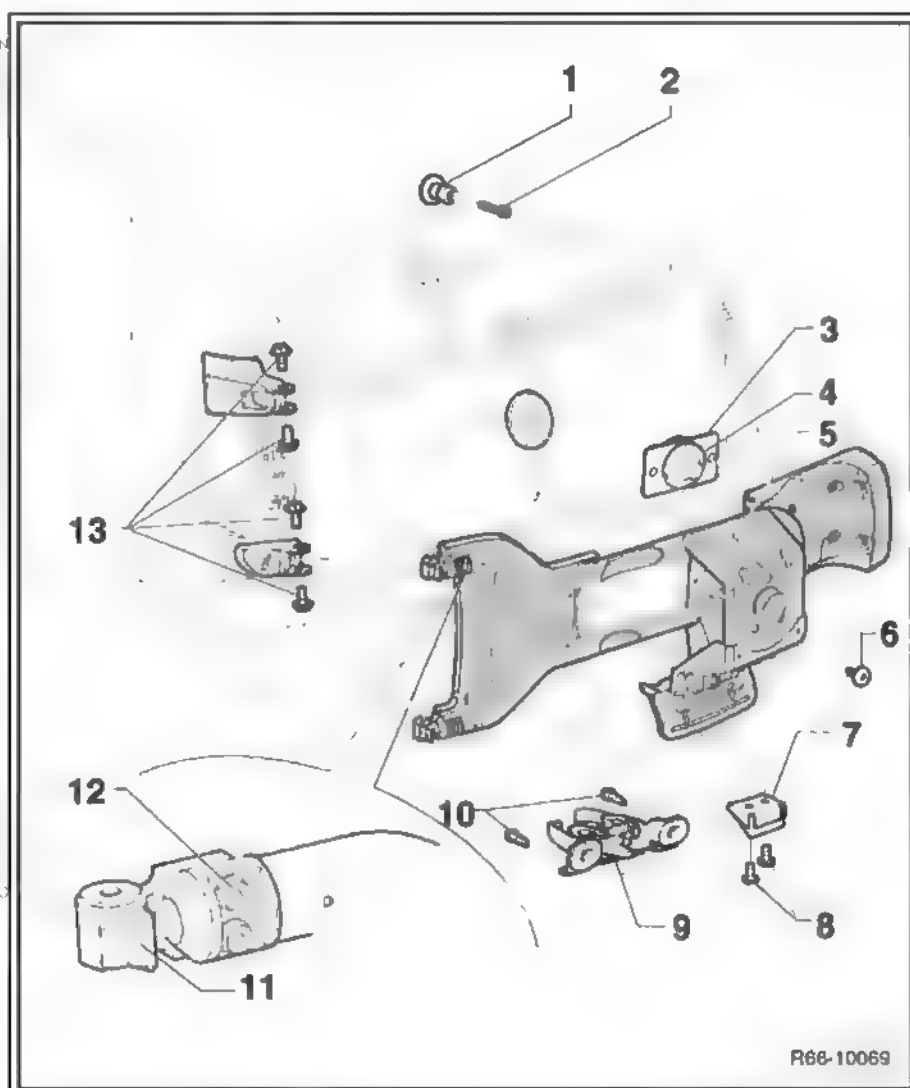


- ◆ Multi-tooth socket - M10 (fit. 1/2") -VW007F-



15.7.1 Remove

- Remove spare wheel.
- Remove spare wheel support external cover.
- Remove support lock activation cable.

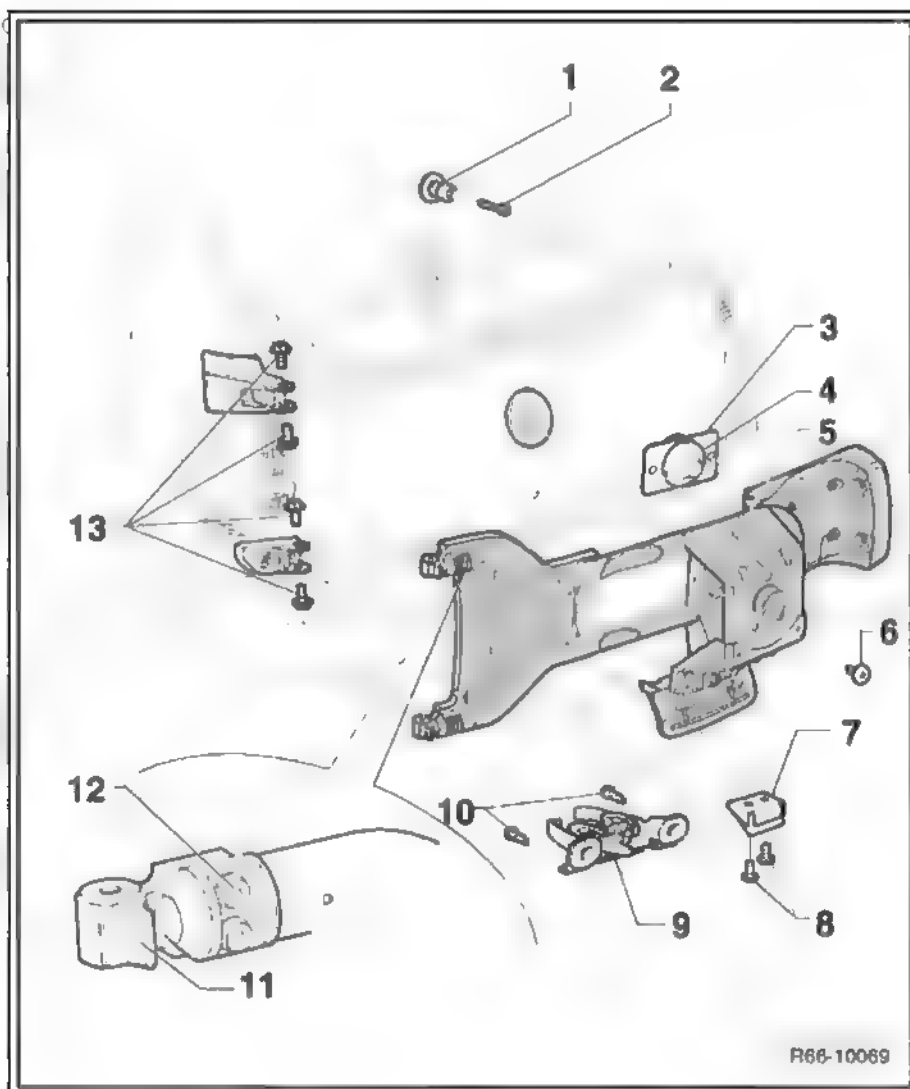


- With the help of an assistant, remove screws -12-
- Disengage support and remove it



15.7.2 Install

- Installation is performed in the reverse sequence to the removal



- Adjust support position if necessary through screws -12-.



15.8 Spare wheel support external cover (2008 ➤) - remove and install

1 - Cover

☐ Remove

- Remove spare wheel

- Remove the screws -2-

☐ Install

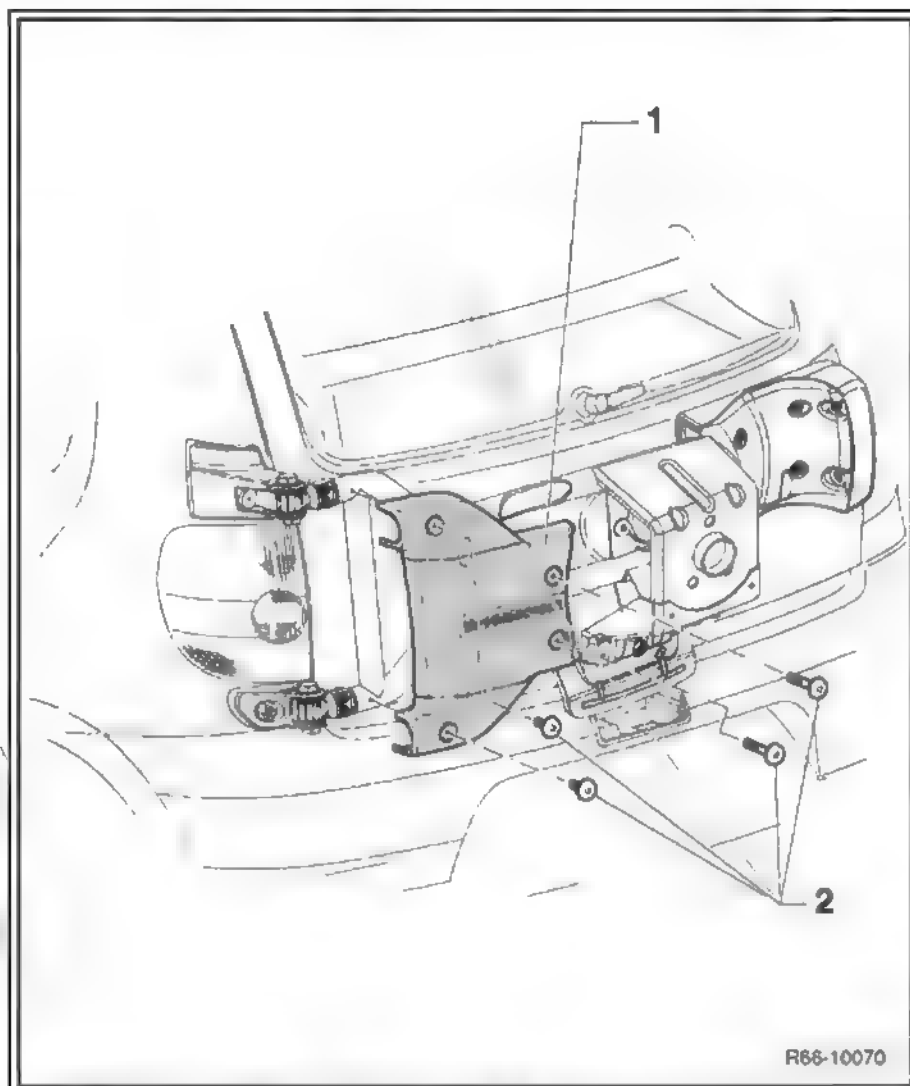
- Installation is performed in the reverse sequence to the removal.

2 - Screw

☐ T 40

☐ Torque: 3 Nm

☐ 4 parts





15.9 Spare wheel support internal cover (2008 ▶) - remove and install

1 - Cover (hinge side)

- ☐ Remove
 - Remove the screws -2-.
- ☐ Install
 - Installation is performed in the reverse sequence to the removal

2 - Screw

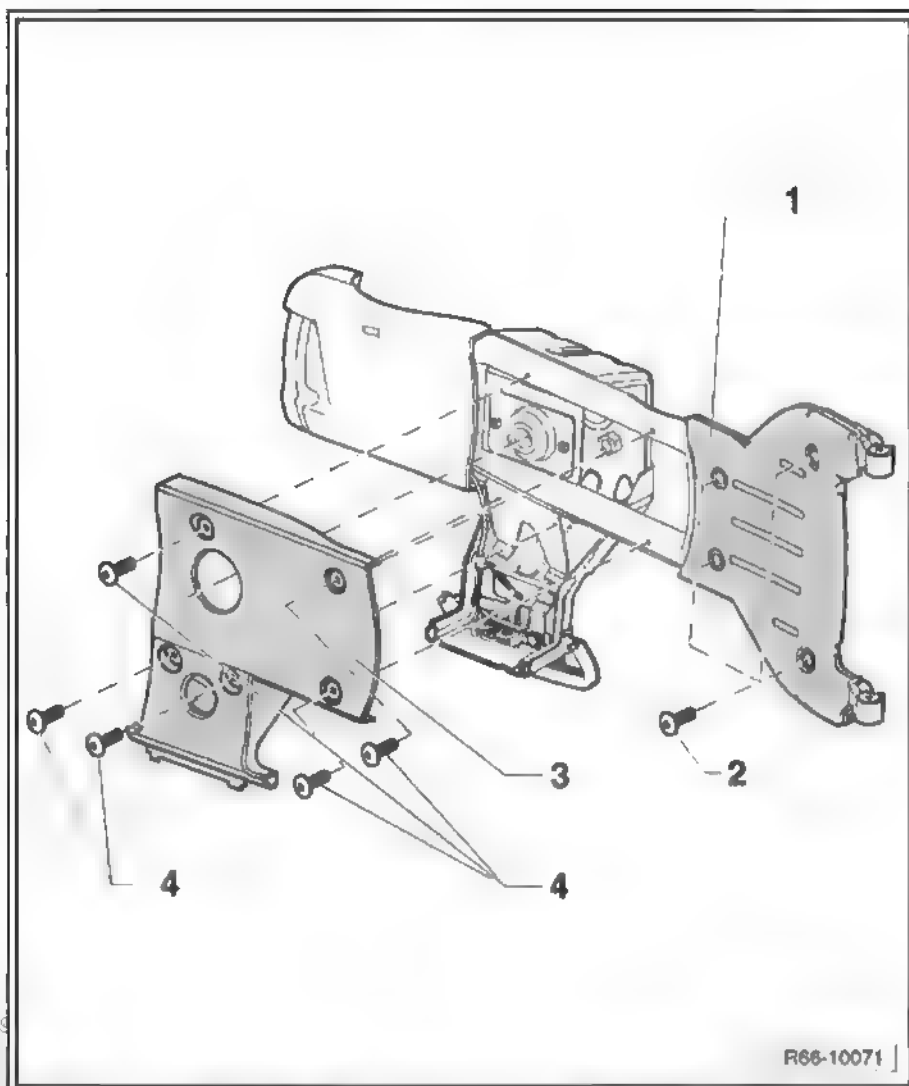
- ☐ T 40
- ☐ Torque: 1.5 Nm
- ☐ 4 parts

3 - Cover (lock side)

- ☐ Remove
 - Remove the screws -4-.
- ☐ Install
 - Installation is performed in the reverse sequence to the removal.

4 - Screw

- ☐ T 40
- ☐ Torque: 1.5 Nm
- ☐ 5 parts





15.10 Support unlocking lever cover (2008 ➤) - remove and install

1 - Cover (smaller)

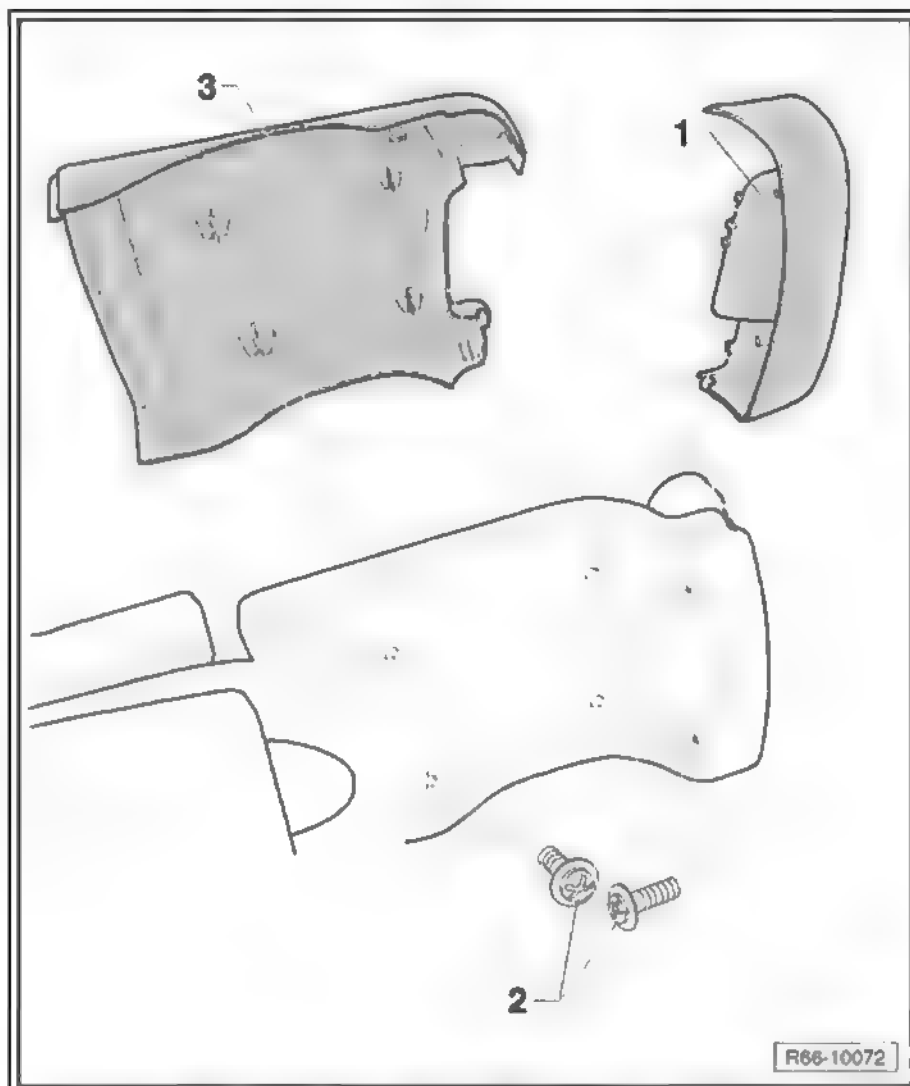
- ❑ fitted to spare wheel support and fastened by screws -2-

2 - Screw

- ❑ Torque: 1.5 Nm

3 - Cover (larger)

- ❑ fitted to spare wheel support and fastened by screws -2-.

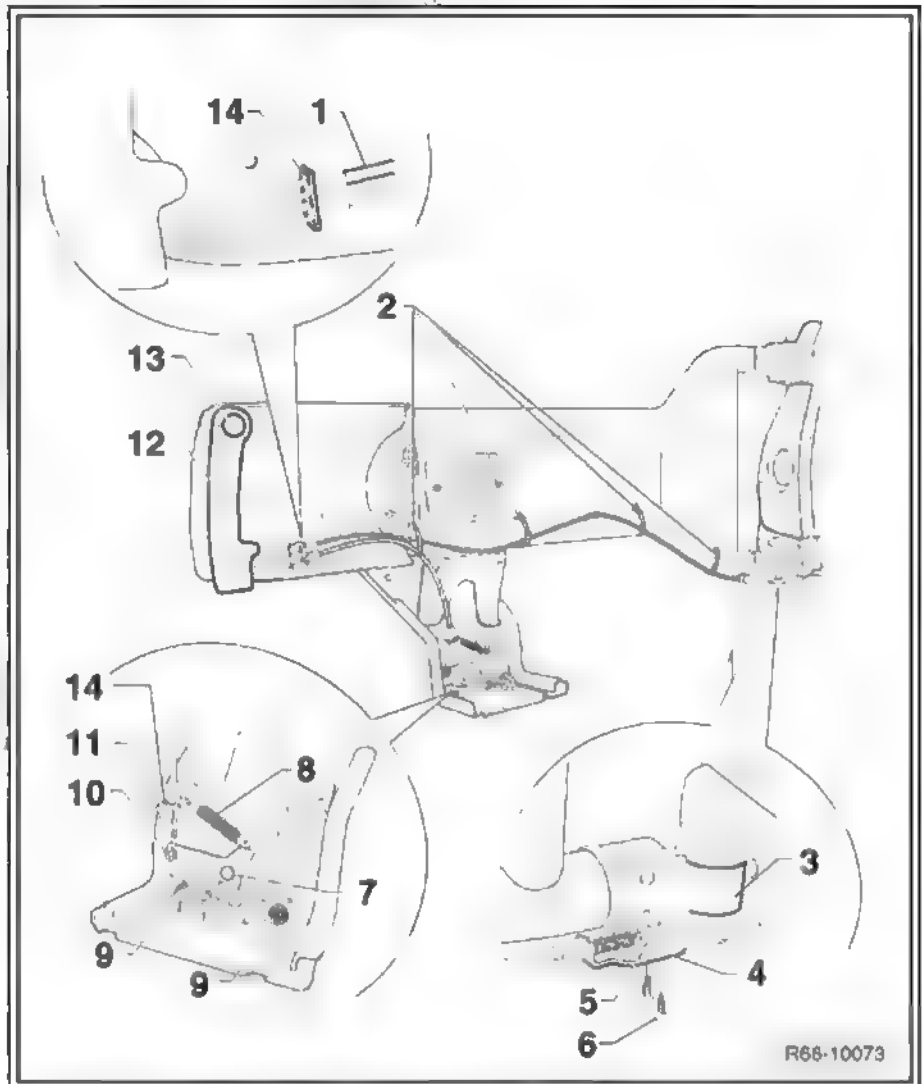




15.11 Support lock activation cable (2008 >) - remove and install

1 - Support lock activation cable

- ☐ Lubricate with grease - G 000 450 02- .
- ☐ Remove
 - Remove spare wheel
 - Remove spare wheel support internal cover (lock side and hinge side).
 - Remove support unlocking lever cover (larger and smaller).
 - Remove cable fastening straps -2-.
 - Remove circlip -10- from activation pin -11- of unlocking lever -7-. Disengage support cable -14-.
 - Disengage activation cable from cable support -14- next to activation lever -12-.
 - Disengage activation cable from activation lever -12-.
 - Disengage activation cable from support -4- next to hinge -3-.
 - Disengage activation cable from lock -5-.



- ☐ Install
 - Installation is performed in the reverse sequence to the removal.

2 - Fastening belt

3 - Hinge

- ☐ Lubricate lock housing -5- with grease -G 000 450 02-

4 - Cable fastening support on hinge

5 - Lock

- ☐ Lubricate with grease -G 000 450 02- .
- ☐ to remove it, remove internal cover (hinge side) and remove screws -6- fastening the support -4- Remove cable -1- from lock

6 - Screw

- ☐ Torque: 1.5 Nm



7 - Unlocking lever

8 - Return spring

9 - Screw

10 - Circlip

☐ replace whenever removed.

11 - Unlocking lever pin

12 - Cable activation lever

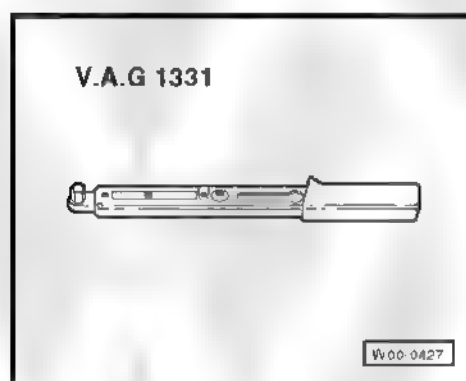
13 - Screw

14 - Cable fastening support

15.12 Spare wheel latch buffer - remove and install

Special tools and workshop equipment required

◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-





1 - Buffer

☐ Remove

- Remove rear protector
- Disconnect harness connector from Spare wheel support unlocking switch -E540-
- Remove screws -2- and remove buffer.

☐ Install

- Installation is performed in the reverse sequence to the removal.

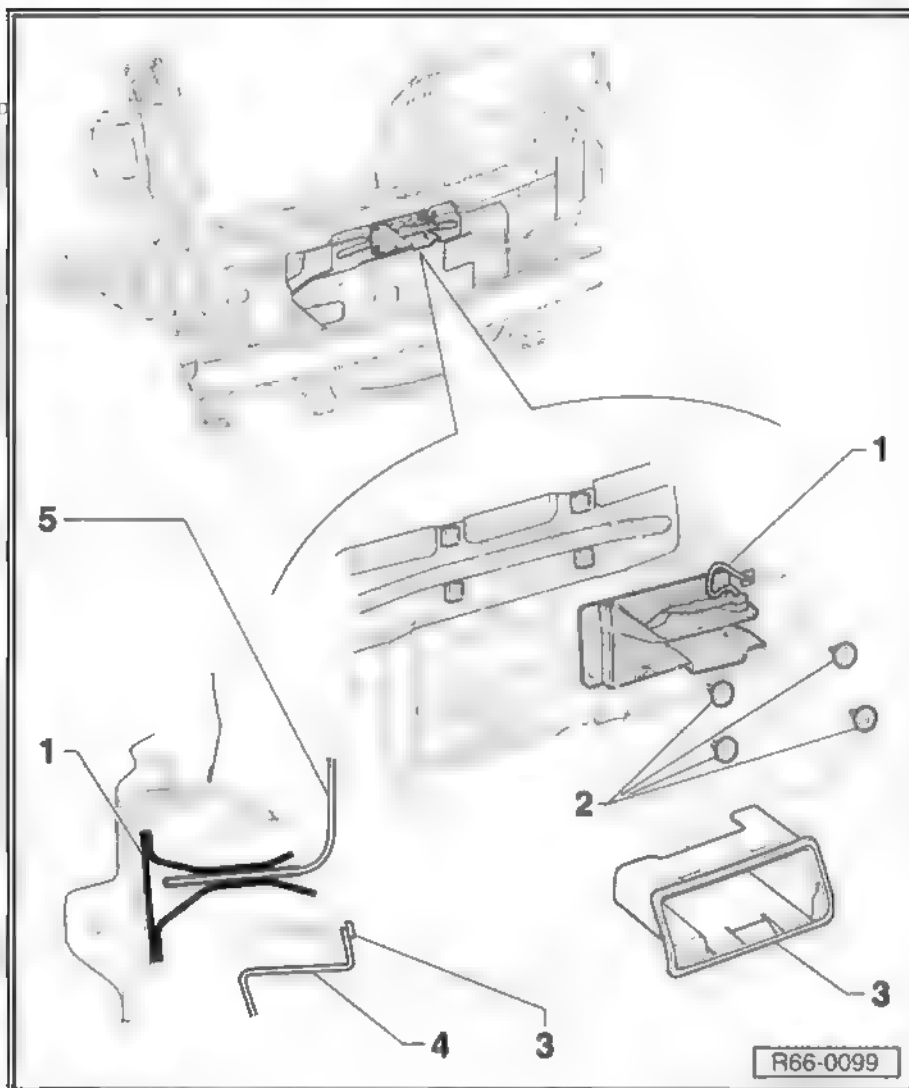
2 - Screw

- ☐ Torque: 8 Nm

3 - Passage finishing

4 - Bumper rear protector

5 - Spare wheel support





16 Spare wheel support (CrossFox)

16.1 Spare wheel support - remove and install

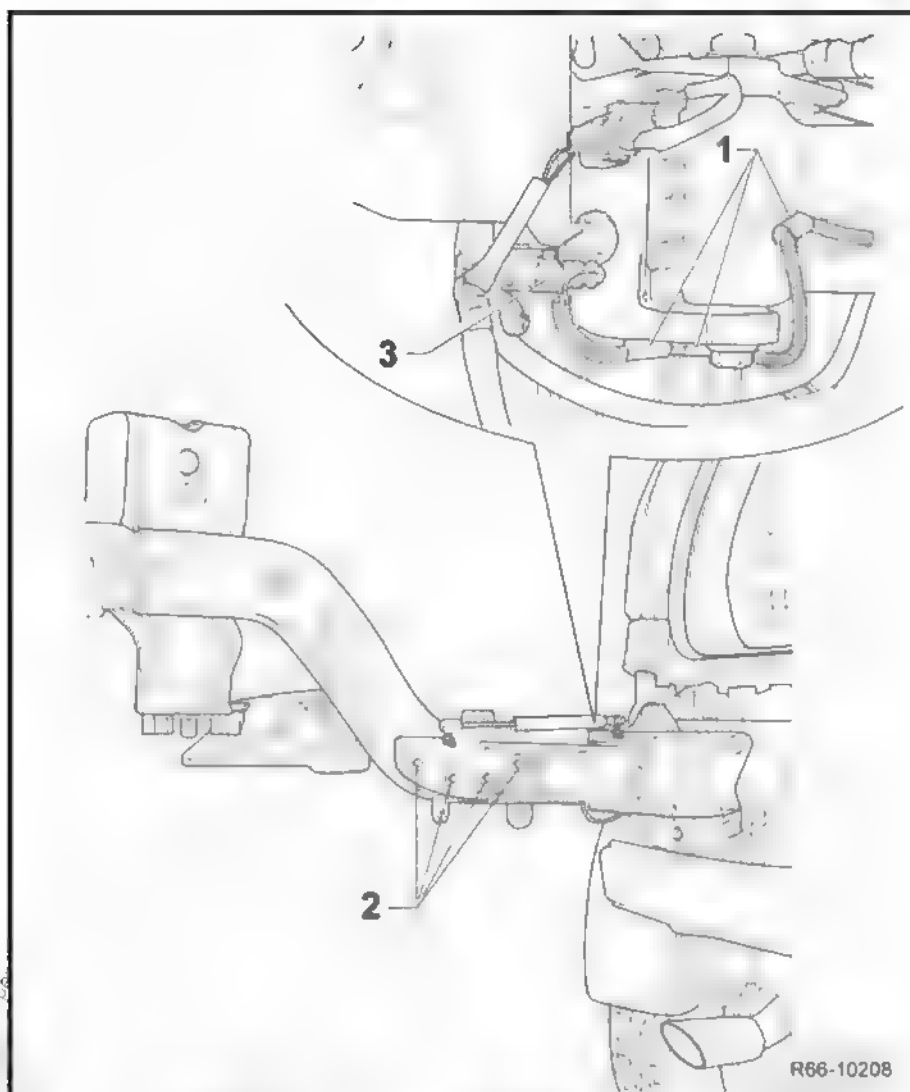
Special tools and workshop equipment required

- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-



16.1.1 Remove

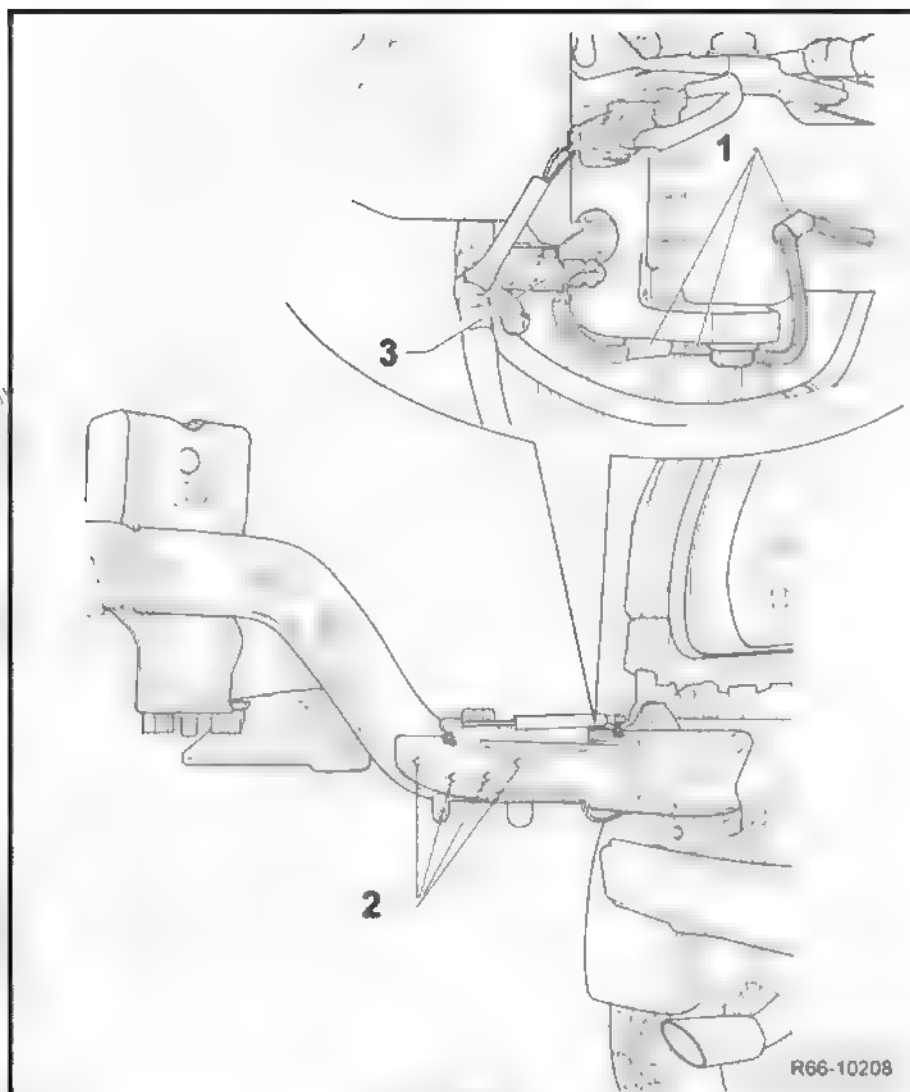
- Remove the spare wheel.
- Remove the internal lining of spare wheel support
⇒ [page 336](#) .
- Remove spare wheel support internal lining ⇒ [page 338](#) .
- Remove rear bumper protector .



- Remove fastenings -1- of spare wheel support bearing.
- Disconnect connector -3- from harness of the spare wheel unlocking support switch E727.
- With the help of an assistant, remove support fastening screws -2- (35 Nm).



16.1.2 Install



Note

Tighten the screws -2-.

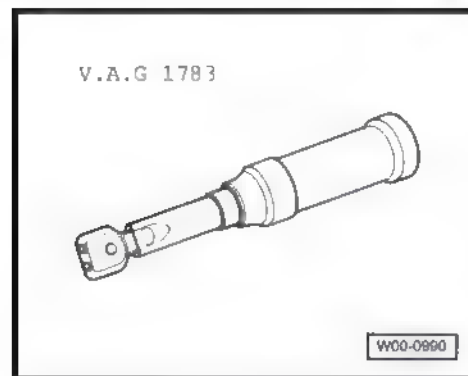
- Installation is performed in the reverse sequence to the removal

16.2 Spare wheel support bearing - remove and install

Special tools and workshop equipment required

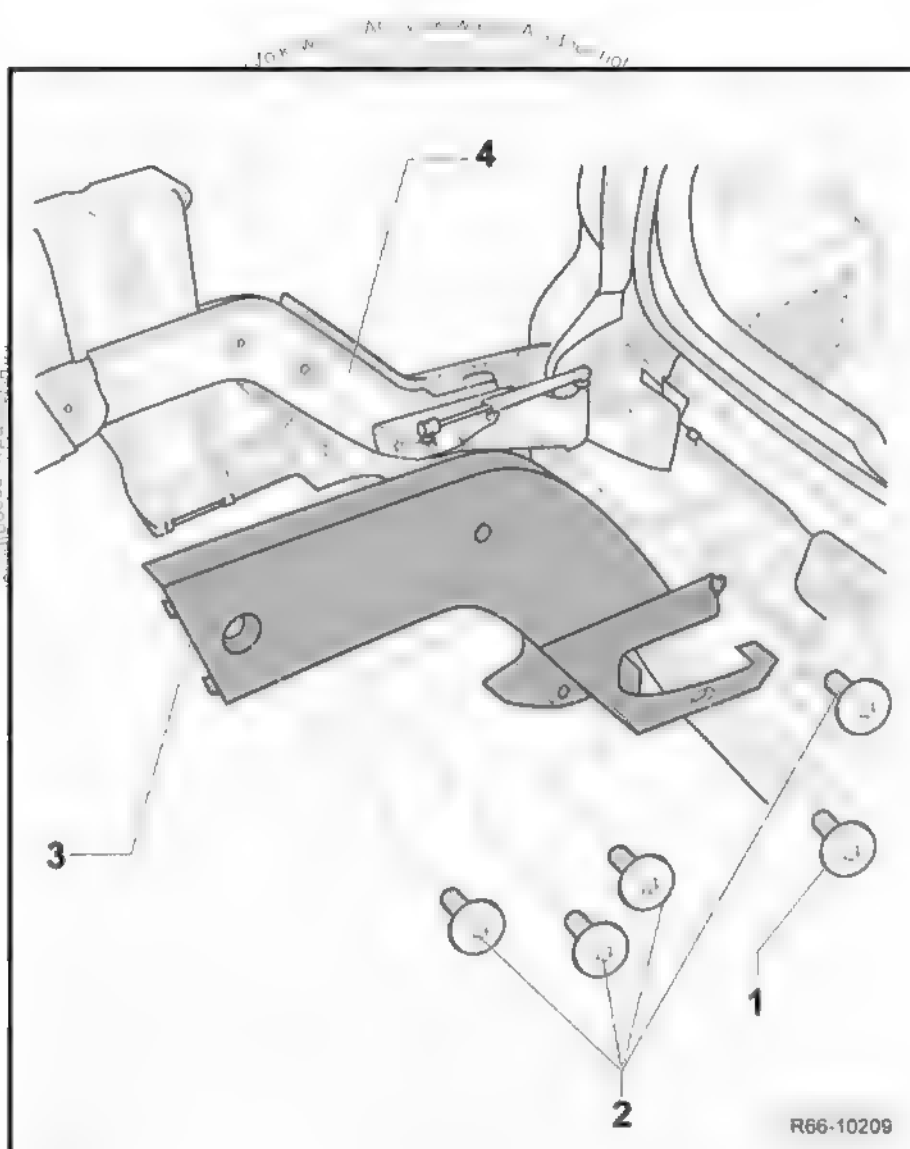


- ◆ Torque wrench 2 to 10 Nm -VAG 1783-



16.2.1 Remove

- Remove the spare wheel.



- Remove the screws -1- (2 Nm).
- Remove the screws -2- (3 Nm).
- Remove lining -3- from spare wheel support -4-.



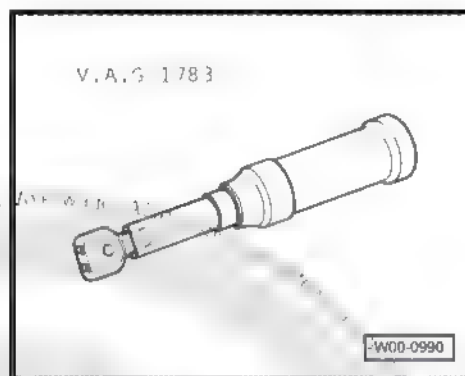
16.2.2 Install

- Installation is performed in the reverse sequence to the removal.

16.3 Spare wheel support external lining - remove and install

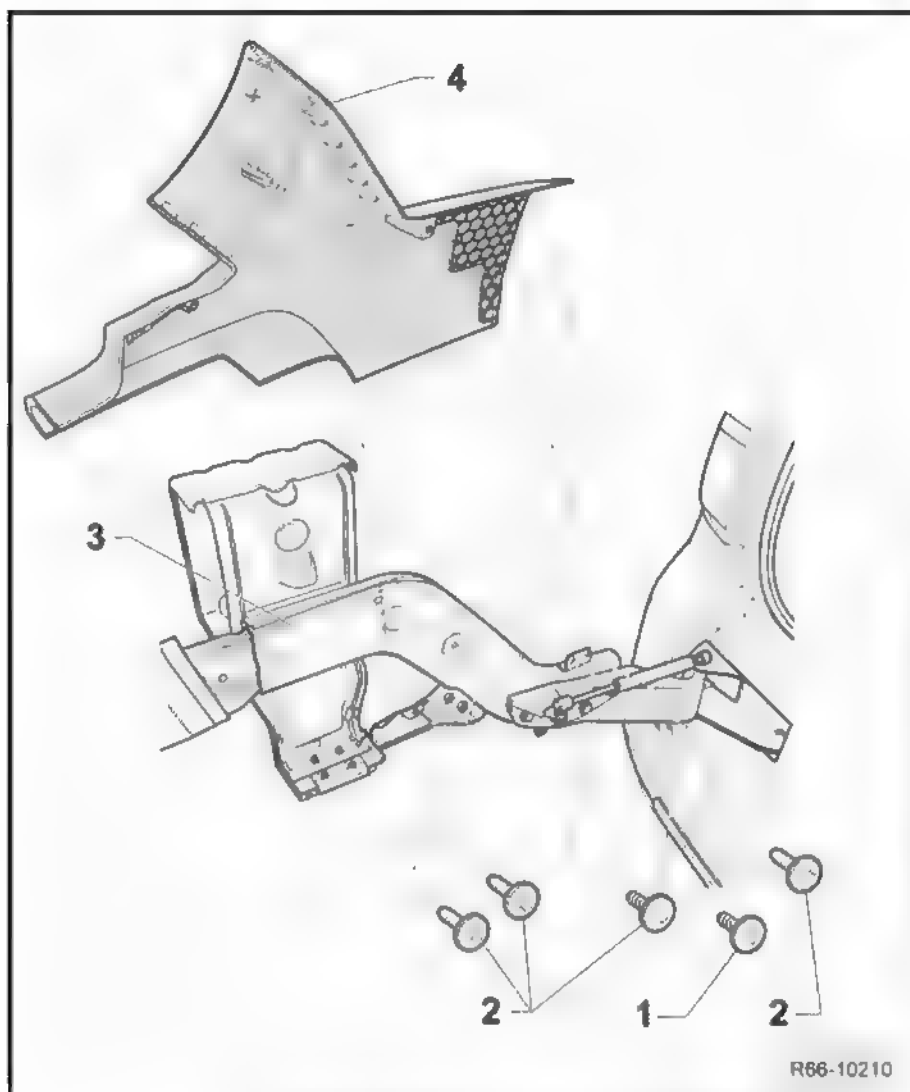
Special tools and workshop equipment required

- ◆ Torque wrench 2 to 10 Nm -VAG 1783-



16.3.1 Remove

- Remove spare wheel.
- Remove the internal lining of spare wheel support
⇒ [page 336](#) .



- Remove the screws -1- (2 Nm).
- Remove the screws -2- (3 Nm).
- Remove lining -3- from spare wheel support -4-.

16.3.2 Install

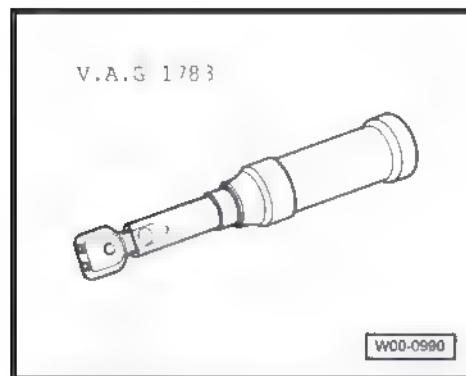
- Installation is performed in the reverse sequence to the removal.

16.4 Knob internal lining - remove and install

Special tools and workshop equipment required

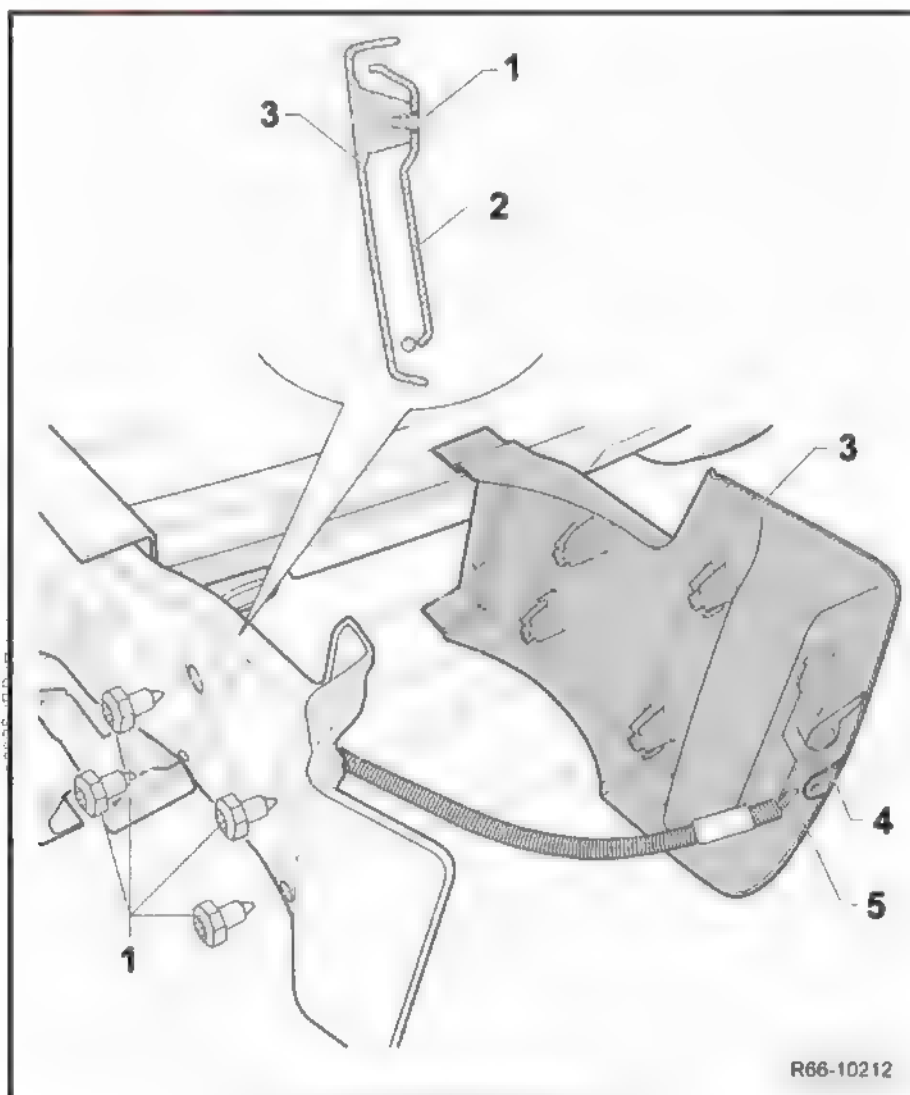


- ◆ Torque wrench 2 to 10 Nm -VAG 1783-



16.4.1 Remove

- Remove the spare wheel.
- Remove knob external lining ⇒ [page 341](#) .



- Remove the screws -1- (2 Nm).
- Loosen screw -4- and disengage the Spare wheel unlocking support switch -E727- -5- from lining -3-.



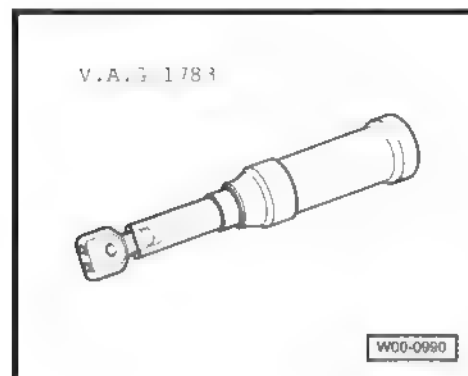
16.4.2 Install

- Installation is performed in the reverse sequence to the removal.

16.5 Knob external lining - remove and install

Special tools and workshop equipment required

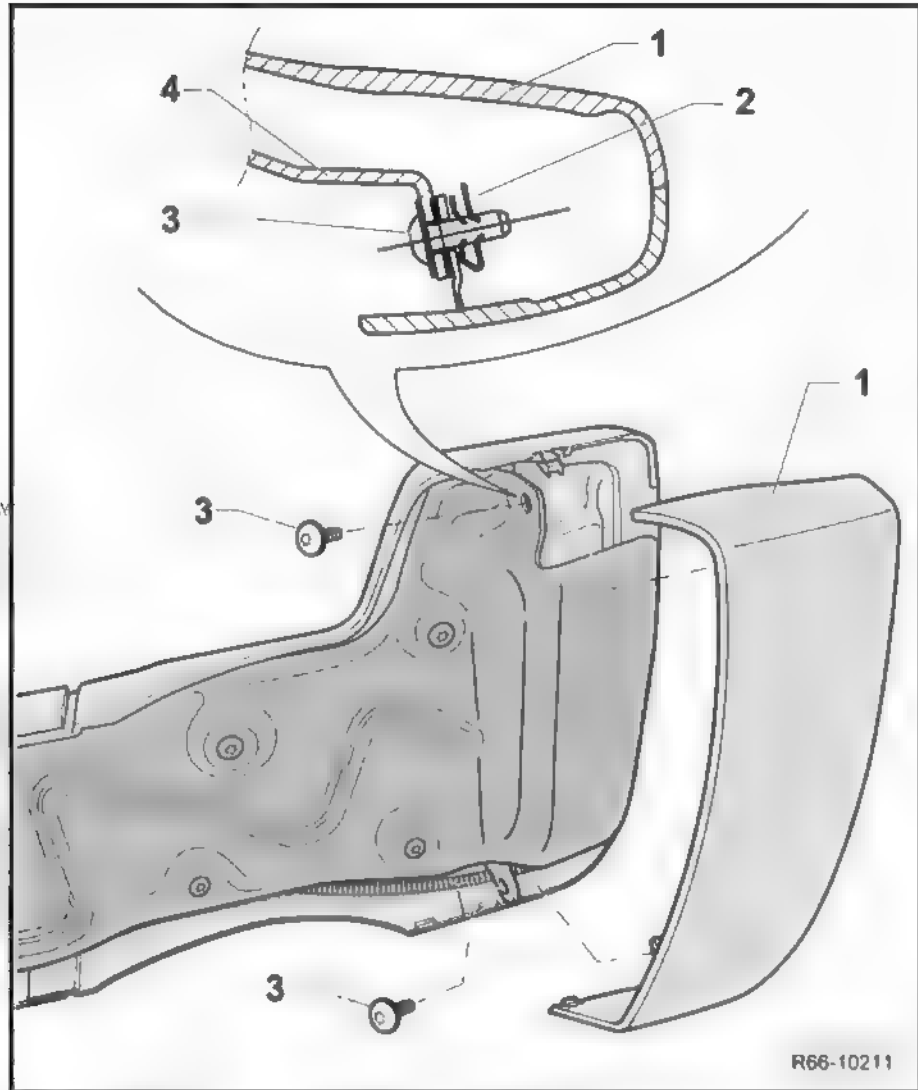
- ◆ Torque wrench 2 to 10 Nm -VAG 1783-



16.5.1 Remove

- Remove the spare wheel.





- Remove the screws -3- (2 Nm).
- Remove lining -4- from spare wheel support -4-.

16.5.2 Install

- Installation is performed in the reverse sequence to the removal.



16.6 Spare wheel support shock absorber - remove and install

16.6.1 Remove

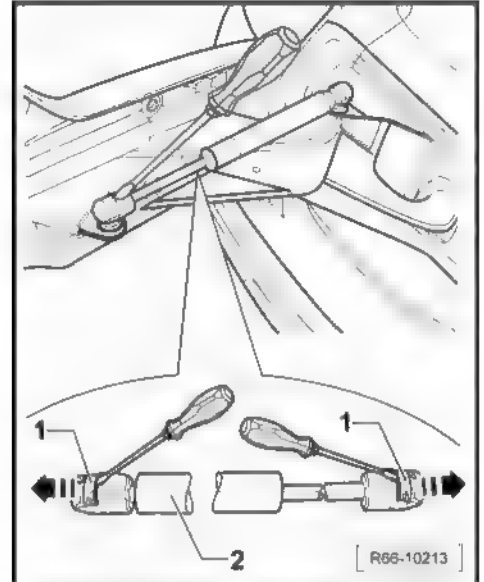
- Remove spare wheel support.
- Place a small screwdriver underneath the spring clip -1-.
- Raise the clip -1- enough to allow the clip to move over the ball joint housing -towards the arrow-.
- Pull spare wheel support shock absorber -2- from spherical pins.

After removing shock absorber -2-, immediately move the clamp -1- backwards.



WARNING

Be careful when installing the shock absorber. The spring clamp cannot be completely disengaged from ball joint housing; otherwise, it will be damaged. The shock absorber can disengage from the spherical pins and result into a serious accident.



16.6.2 Install

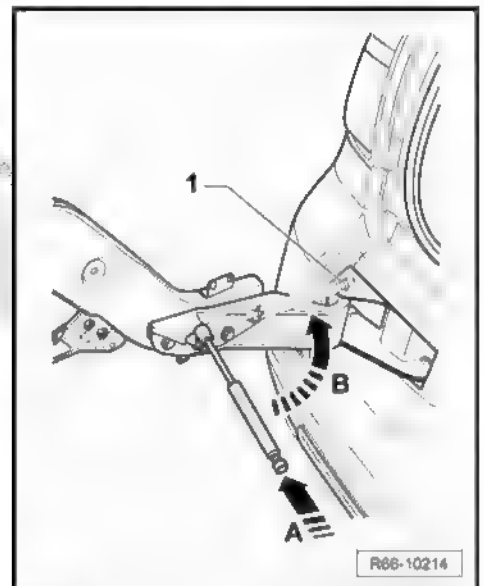
- Press shock absorber body against the rod towards -arrow A-.



Note

Use safety gloves.

- When distending the shock absorber rod, place it -arrow B-. When reaching the spherical pin -1-, press shock absorber to fit the shock absorber's eyelet.



16.7 Spare wheel support shock absorber - replace

- Remove the shock absorber ➔ [page 343](#).



- Fasten the gas shock absorber to the vise, in area
-x = 50 mm-



WARNING

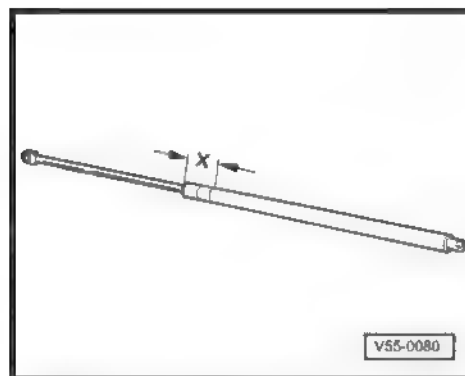
The shock absorber must be fastened in this area. Otherwise, accidents may occur!

- In this area, carefully saw the spare wheel support shock absorber cylinder in order for oil to drain out



Note

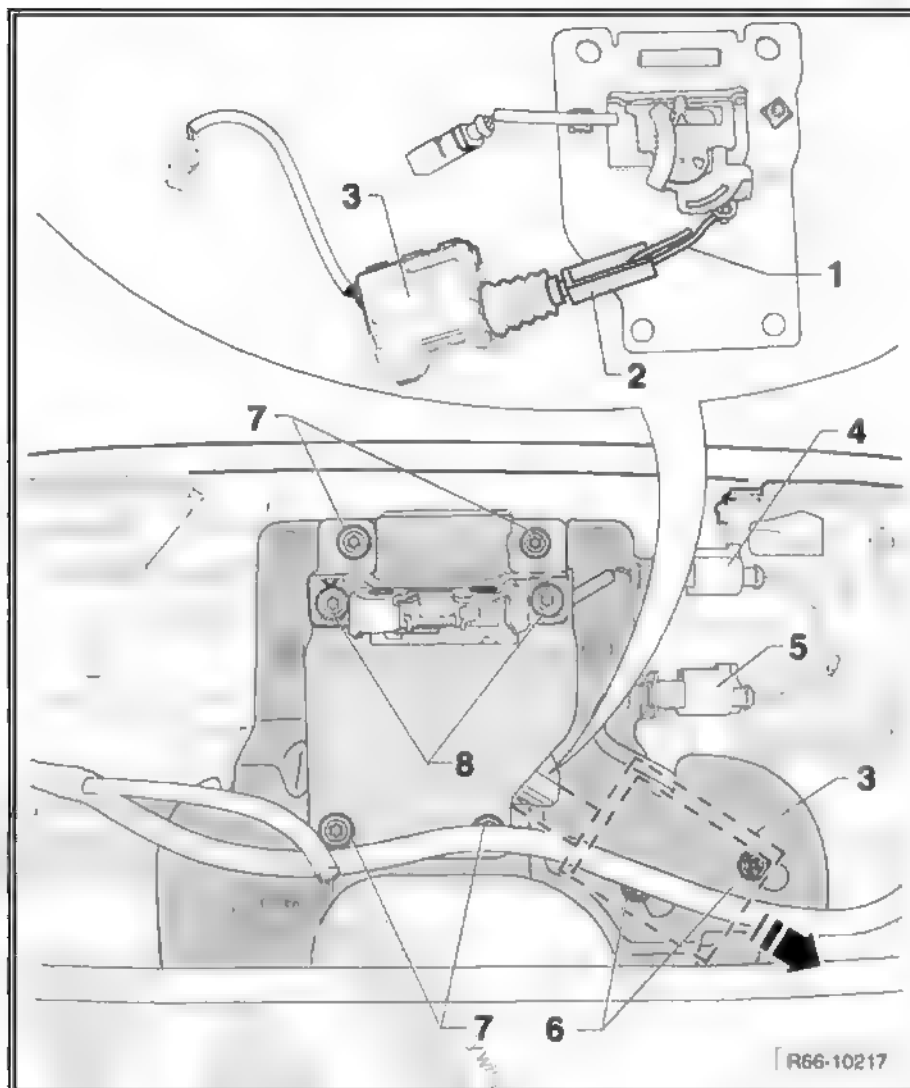
- ◆ *While cutting, wear safety goggles.*
- ◆ *The area where cutting is processed must be covered with a cloth.*
- ◆ *Both the oil and the cloth must be duly discarded.*
- Install the new shock absorber.



16.8 Spare wheel locking motor -V340- - remove and install

16.8.1 Remove

- Remove spare wheel.
- Remove the internal lining of spare wheel support
⇒ [page 336](#).
- Remove spare wheel support internal lining ⇒ [page 338](#).
- Remove rear bumper protector.



- Loosen screws -6- from spare wheel locking motor -V340- -3- and pull it towards the -arrow-.
- Disconnect the connector -5- from spare wheel locking motor -V340- -3-.
- Disconnect the connector -4- from freewheel locking control lamp switch -F108- .
- Remove the screws -7-.
- Remove latch along with the support and spare wheel locking motor -V340- .
- Remove latch by disengaging it from -1- motor operating rod -3-.

16.8.2 Install

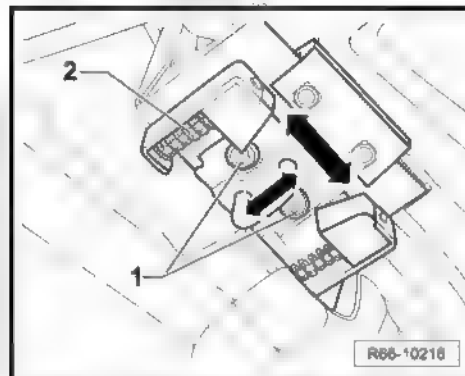
- Installation is performed in the reverse sequence to the removal.



16.9 Spare wheel latch buffer - remove and install

16.9.1 Remove

- Remove screws -1- and remove buffer -2-.



16.9.2 Install

- Installation is performed in the reverse sequence to the removal.
- Adjust the buffer => [page 346](#).

16.10 Spare wheel latch buffer - adjust

Special tools and workshop equipment required

- ♦ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-

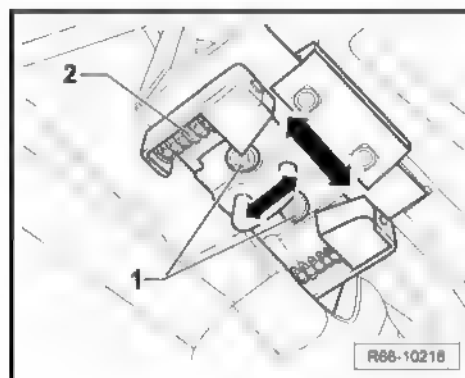
V.A.G 1331



V00-0427

Adjust

- Loosen the screws -1-.
- Position buffer -2- and tighten the screws -1- temporarily.
- Close the spare wheel support buffer and check for correct operation of the buffer.
- Definitely tighten the screws -1- (8 Nm).



16.11 Spare wheel support latch - remove and install

Special tools and workshop equipment required



- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-

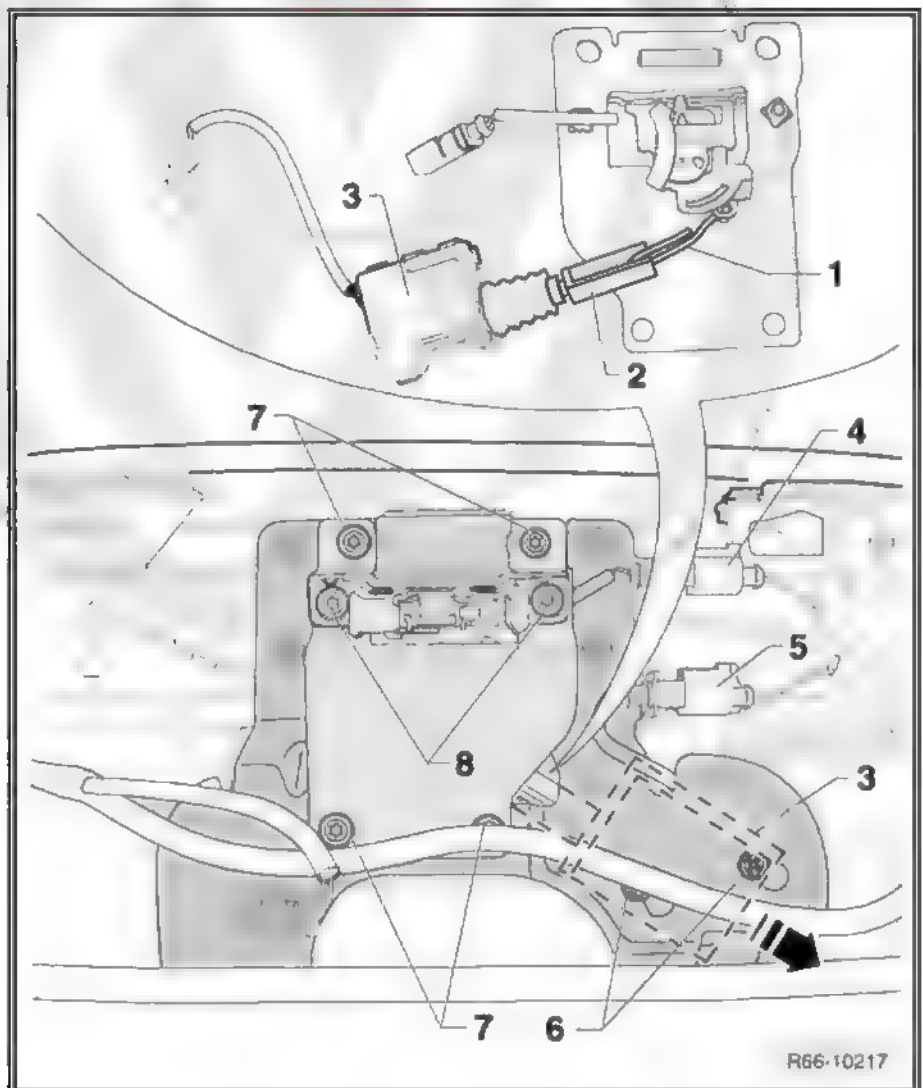
V.A.G 1331



W00 0427

16.11.1 Remove

- Remove spare wheel.
- Remove the internal lining of spare wheel support
⇒ [page 336](#) .
- Remove spare wheel support internal lining ⇒ [page 338](#) .
- Remove rear bumper protector .





- Remove the screws -8-
- Loosen screws -6- from spare wheel locking motor -V340- -3- and pull it towards the -arrow-.
- Disconnect the connector -5- from spare wheel locking motor -V340- -3-.
- Disconnect the connector -4- from freewheel locking control lamp switch -F108- .
- Remove the screws -7-.
- Remove latch along with the support and spare wheel locking motor -V340- .
- Remove the latch.

16.11.2 Install

- Installation is performed in the reverse sequence to the removal.
- Adjust the latch ⇒ [page 348](#) .

16.12 Spare wheel support shock absorber - replace

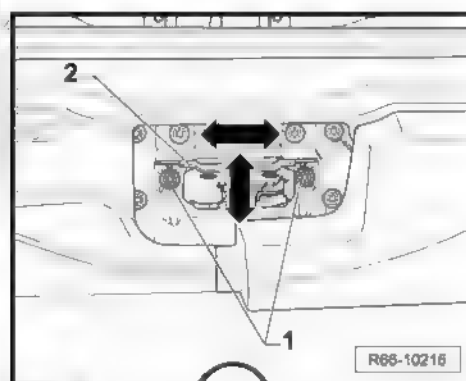
Special tools and workshop equipment required

- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-



Adjust

- Loosen the screws -1-.
- Position latch -2- and tighten the screws -1- temporarily.
- Close the spare wheel support buffer and check for correct operation of the buffer.
- Definitely tighten the screws -1- (8 Nm).



16.13 Spare wheel support bearing - remove and install

Special tools and workshop equipment required



- ◆ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-

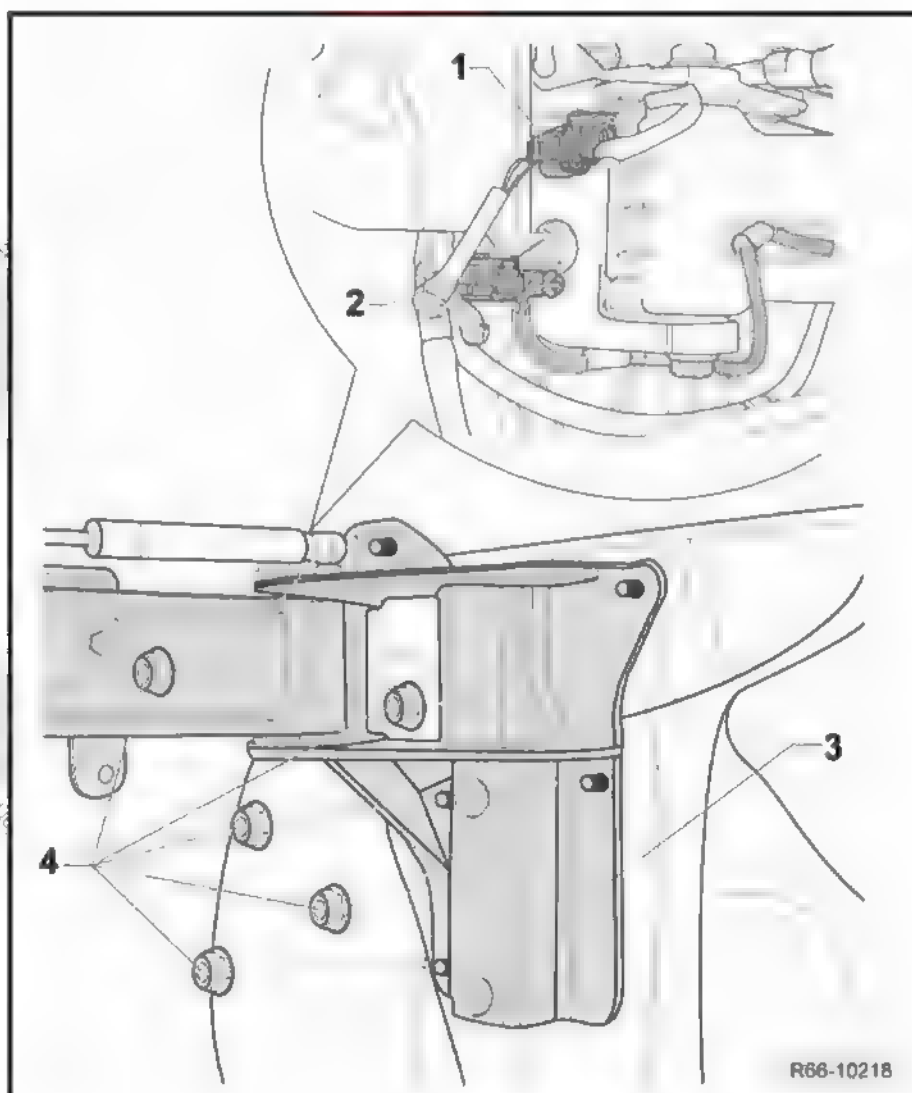
V.A.G 1331



W00 0427

16.13.1 Remove

- Remove the spare wheel.
- Remove the internal lining of spare wheel support
⇒ [page 336](#) .
- Remove spare wheel support internal lining ⇒ [page 338](#) .
- Remove rear bumper protector .
- Remove rear protector support .



R66-10218



- Disconnect connector -2- from harness of the spare wheel unlocking support switch -E727-.
- Disconnect connector -1- from harness of the spare wheel unlocking support switch -E330-.
- With the help of an assistant, remove bearing support nuts -4- (20 Nm).

16.13.2 Install

- Installation is performed in the reverse sequence to the removal.
- Adjust the latch [page 348](#).
- Adjust the buffer [page 346](#).

16.14 Spare wheel support buffer (rear door) - remove and install

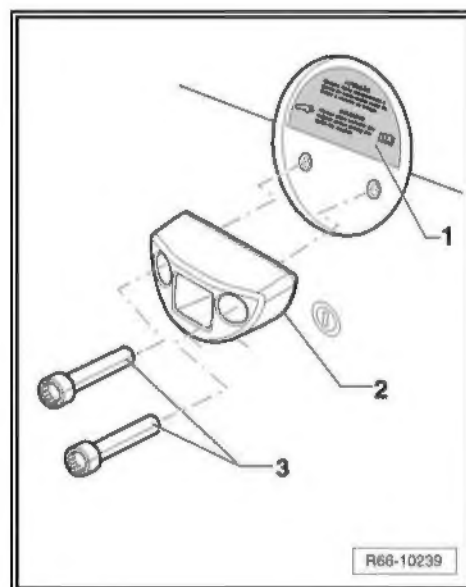
Special tools and workshop equipment required

- ♦ Torque wrench - 5 to 50 Nm (enc. 1/2") -VAG 1331-



16.14.1 Remove

- Remove screws -3- (8 Nm).



16.14.2 Install

- Installation is performed in the reverse sequence to the removal.



Note

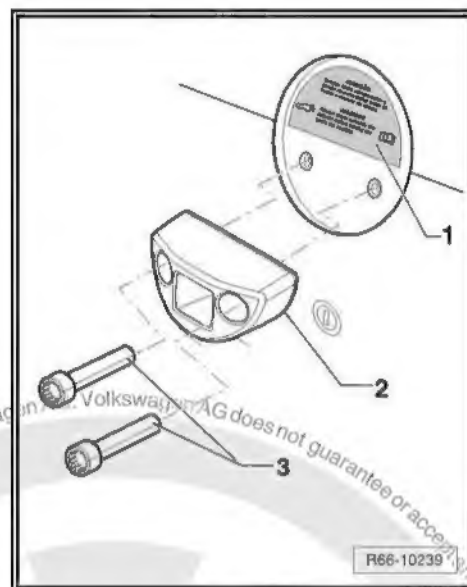
- ◆ Remove any residue of grease on buffer (contaminated grease) with a dry cloth.
- ◆ Apply a new silicone grease -G 000 405 A2- layer inside the buffer -2- in the spare wheel support buffer zone.

16.15 Spare wheel support warning label - replace

- Unglue the label -1- with the hot air blower -VAG 1416- to ease removal.
- Remove all dirt and oiliness.
- Remove adhesive residues with the adhesive remover -D 002 000 10- and apply the cleaning solution -D 009 401 04- . Rub the surface with a cloth until it is completely dry.

Install

- Heat up the adhesive are with the hot air blower -VAG 1416- to facilitate installation.
- Remove liner from label, position and press the label with the pressure roll -3356- .





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17 Fox CrossFox Components

17.1 Assembly overview

1 - Roof rack

- ☐ Remove and install
⇒ [page 206](#)

2 - Spoiler

- ☐ Remove ⇒ [page 201](#)
- ☐ Install ⇒ [page 202](#)

3 - Spare wheel support

- ☐ Remove and install (► 2007) ⇒ [page 324](#)
- ☐ Remove and install (► 2008) ⇒ [page 325](#)

4 - Rear bumper central protection

- ☐ Remove and install
⇒ [page 302](#)

5 - Rear bumper trim

- ☐ Replace ⇒ [page 237](#)

6 - Rear side panel trim

- ☐ Replace ⇒ [page 239](#)

7 - Side footboard rear lining

- ☐ Replace (► 02.06)
⇒ [page 247](#)
- ☐ Replace (03.06 ►)
⇒ [page 255](#)

8 - Side footboard

- ☐ Remove and install (► 02.06) ⇒ [page 241](#)
- ☐ Remove and install
(03.06 ►) ⇒ [page 249](#)

9 - „CROSSFOX“ side inscription

- ☐ On front and rear doors
- ☐ Replace (► 2007) ⇒ [page 222](#)
- ☐ Replace (► 2008) ⇒ [page 224](#)

10 - Front wing trim

- ☐ Replace ⇒ [page 240](#)

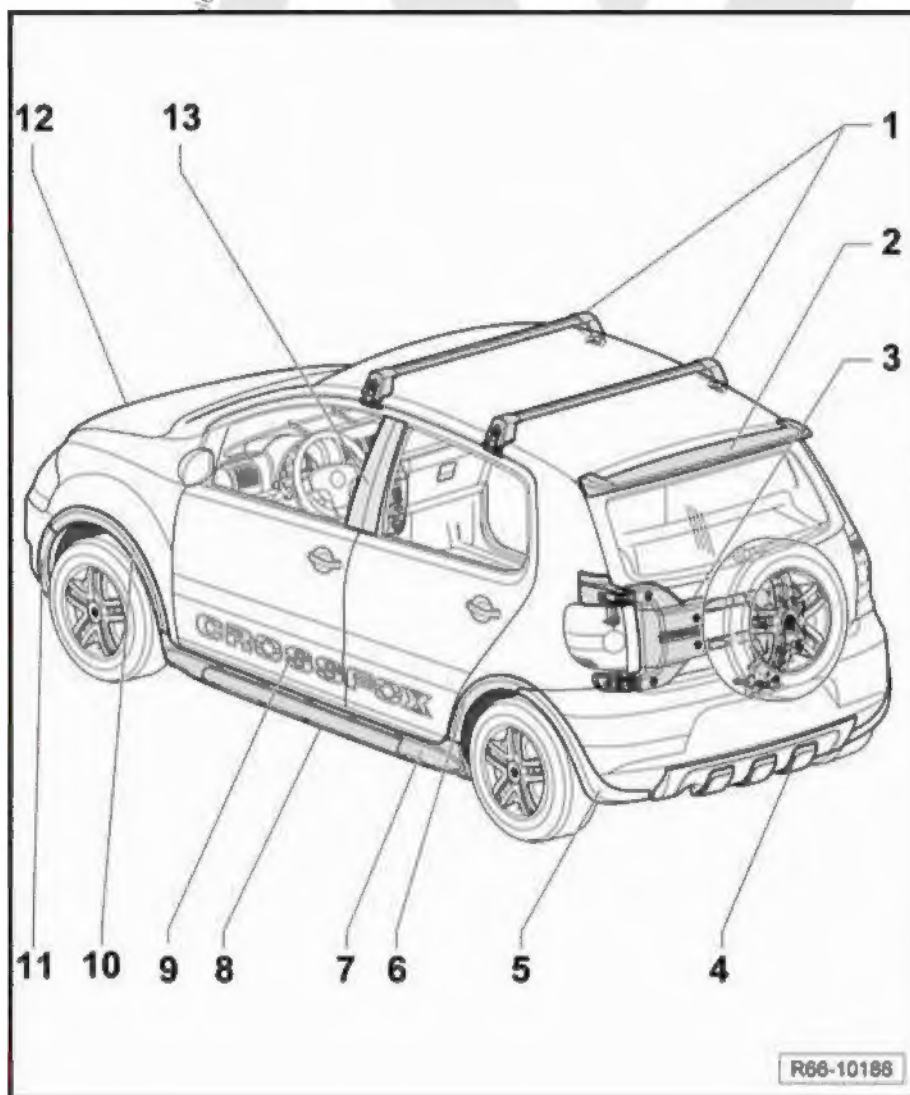
11 - Front bumper trim

12 - Front bumper central protector

- ☐ Remove and install (► 2007) ⇒ [page 299](#)
- ☐ Remove and install (► 2008) ⇒ [page 301](#)

13 - Pillar and door external lining

- ☐ Replace ⇒ [page 307](#)

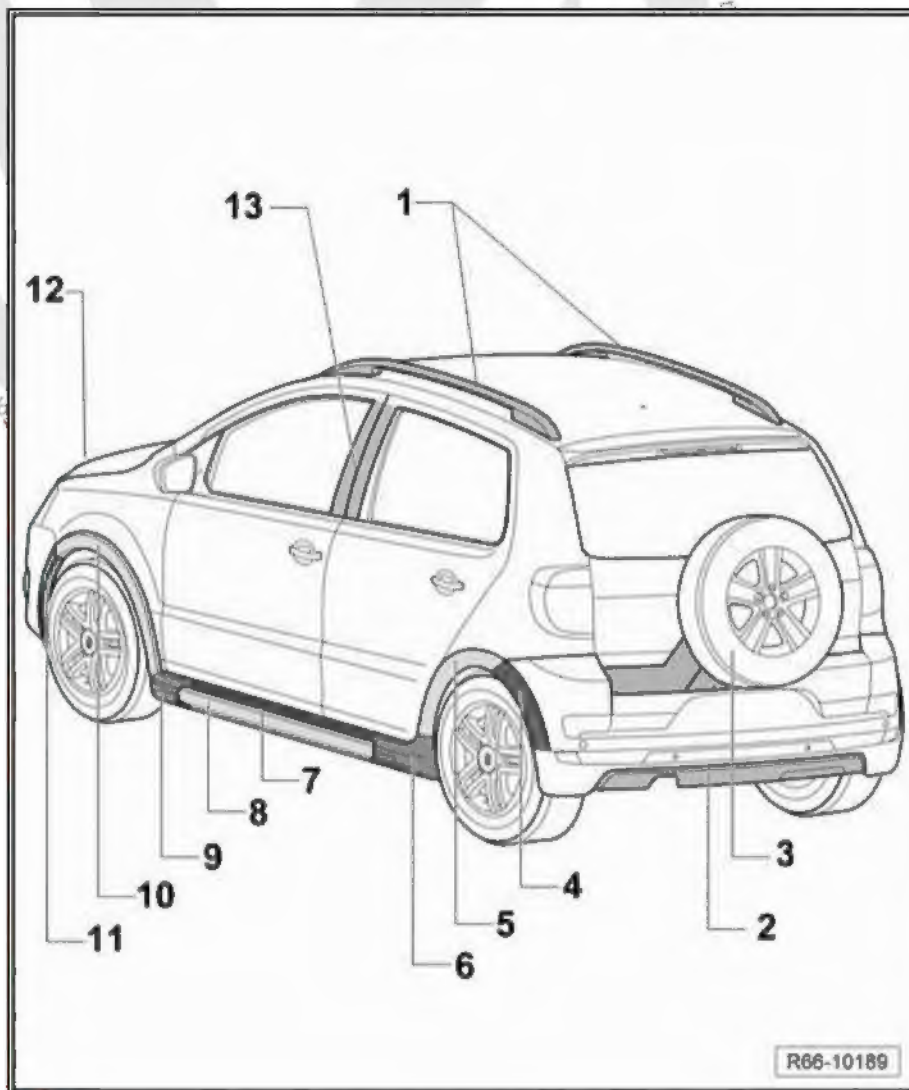




18 New Fox CrossFox Components

18.1 Assembly overview

- 1 - Roof rack
 - ☐ Remove and install
⇒ [page 207](#)
- 2 - Rear spoiler
 - ☐ Remove and install
⇒ [page 315](#)
- 3 - Spare wheel support
 - ☐ Remove and install
⇒ [page 334](#)
- 4 - Rear bumper trim
 - ☐ Replace ⇒ [page 315](#)
- 5 - Rear side panel trim
 - ☐ Replace ⇒ [page 258](#)
- 6 - Side footboard rear lining
 - ☐ Replace ⇒ [page 268](#)
- 7 - Side footboard upper lining
 - ☐ Replace ⇒ [page 269](#)
- 8 - Side footboard
 - ☐ Replace ⇒ [page 262](#)
- 9 - Side footboard rear lining
 - ☐ fastened to side footboard ⇒ [page 268](#)
- 10 - Front wing trim
 - ☐ Replace ⇒ [page 260](#)
- 11 - Front bumper trim
 - ☐ Replace ⇒ [page 313](#)
- 12 - Front spoiler
 - ☐ Remove and install
⇒ [page 313](#)
- 13 - Pillar and door external lining
 - ☐ Replace ⇒ [page 307](#)



06.11